

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019257.D
 Acq On : 04 Nov 2020 20:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 05:00:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 09:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	243448	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	238484	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	129071	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77785	41.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	67687	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.96%
11) 1,1-Dichloroethene-d2	2.12	63	162929	46.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.68%
21) 2-Butanone-d5	3.90	46	117384	113.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.31%
24) Chloroform-d	4.38	84	166989	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
26) 1,2-Dichloroethane-d4	5.05	65	115921	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
32) Benzene-d6	5.07	84	301485	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.56%
36) 1,2-Dichloropropane-d6	6.09	67	94664	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.30%
41) Toluene-d8	7.34	98	281105	45.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.64%
43) trans-1,3-Dichloropropene-	7.64	79	52415	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.11	63	82659	108.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.29%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	129055	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
66) 1,2-Dichlorobenzene-d4	11.65	152	121017	46.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	76259	51.131	ug/L 99
3) Chloromethane	1.25	50	80540	51.861	ug/L 98
5) Vinyl chloride	1.32	62	88349	54.653	ug/L 98
6) Bromomethane	1.53	94	58519	53.864	ug/L 100
8) Chloroethane	1.60	64	58690	55.512	ug/L 97
9) Trichlorofluoromethane	1.76	101	145597	54.405	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	70973	55.815	ug/L 99
12) 1,1-Dichloroethene	2.13	96	71339	54.281	ug/L 99
13) Acetone	2.19	43	83631	106.155	ug/L 99
14) Carbon disulfide	2.31	76	189942	50.331	ug/L 99
15) Methyl Acetate	2.44	43	86132	56.425	ug/L 98
16) Methylene chloride	2.52	84	81568	52.210	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	74762	52.437	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	263556	52.588	ug/L 99
19) 1,1-Dichloroethane	3.21	63	149031	53.350	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	82939	52.640	ug/L 97
22) 2-Butanone	3.99	43	114015	114.011	ug/L 96

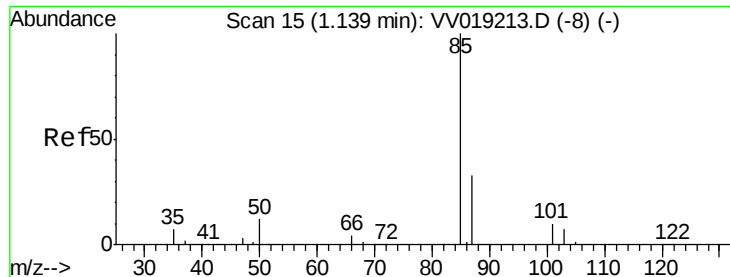
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019257.D
 Acq On : 04 Nov 2020 20:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 05:00:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 09:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	44825	51.669	ug/L	95
25) Chloroform	4.40	83	157856	52.708	ug/L	99
27) 1,2-Dichloroethane	5.15	62	133891	52.593	ug/L	98
29) Cyclohexane	4.70	56	108764	53.293	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	144234	52.148	ug/L	99
31) Carbon tetrachloride	4.85	117	125233	52.439	ug/L	99
33) Benzene	5.13	78	316385	53.382	ug/L	100
34) Trichloroethene	5.94	95	83809	52.034	ug/L	100
35) Methylcyclohexane	6.15	83	101121	51.870	ug/L	98
37) 1,2-Dichloropropane	6.20	63	81229	51.354	ug/L	100
38) Bromodichloromethane	6.53	83	119115	52.327	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	128660	50.835	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	236046	111.085	ug/L	99
42) Toluene	7.41	91	341986	53.383	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	137016	52.830	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	80871	51.728	ug/L	97
46) Tetrachloroethene	8.00	164	67290	51.202	ug/L	99
48) 2-Hexanone	8.16	43	182416	113.549	ug/L	99
49) Dibromochloromethane	8.27	129	97652	52.375	ug/L	99
50) 1,2-Dibromoethane	8.37	107	85426	52.716	ug/L	99
51) Chlorobenzene	8.90	112	224838	52.468	ug/L	99
52) Ethylbenzene	9.03	91	377991	53.479	ug/L	98
53) m,p-Xylene	9.16	106	141707	53.553	ug/L	97
54) o-Xylene	9.56	106	138476	53.091	ug/L	98
55) Styrene	9.58	104	253406	54.581	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	122374	51.739	ug/L	99
59) Bromoform	9.75	173	75007	52.361	ug/L	99
60) Isopropylbenzene	9.95	105	367791	54.369	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	106249	52.986	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	306852	54.462	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	300874	54.575	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	185091	52.309	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	188606	51.521	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	188349	52.030	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.45	75	30894	52.811	ug/L	96
69) 1,3,5-Trichlorobenzene	12.67	180	131521	51.787	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	125490	52.513	ug/L	100
71) Naphthalene	13.52	128	376255	55.827	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	129505	54.668	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 51.131 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

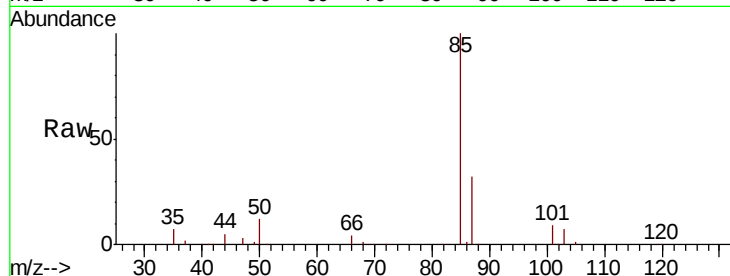
ClientSampleId :

Tot Ion: 85 Resp: 76259

Ion Ratio Lower Upper

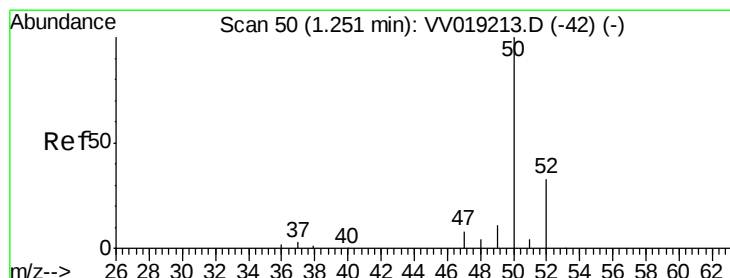
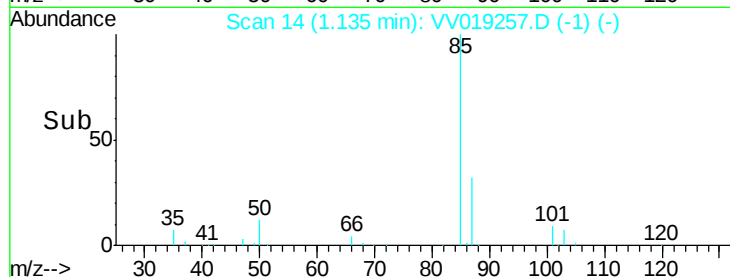
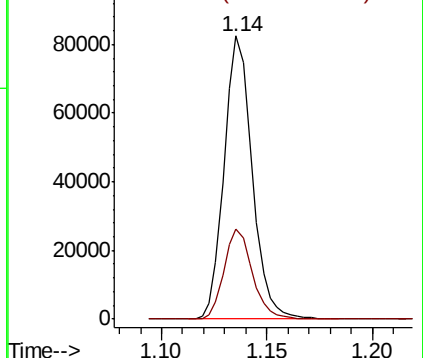
85 100

87 32.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.861 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019257.D

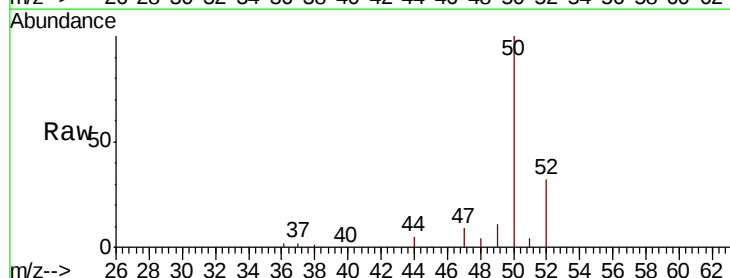
Acq: 04 Nov 2020 20:23

Tgt Ion: 50 Resp: 80540

Ion Ratio Lower Upper

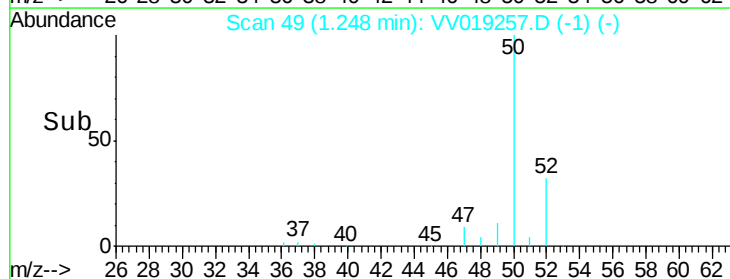
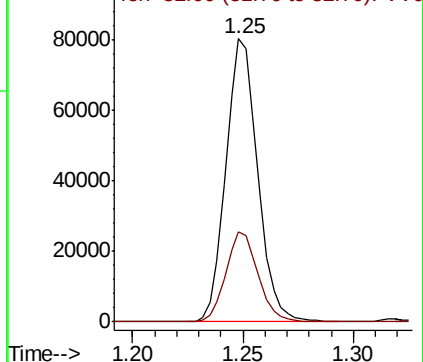
50 100

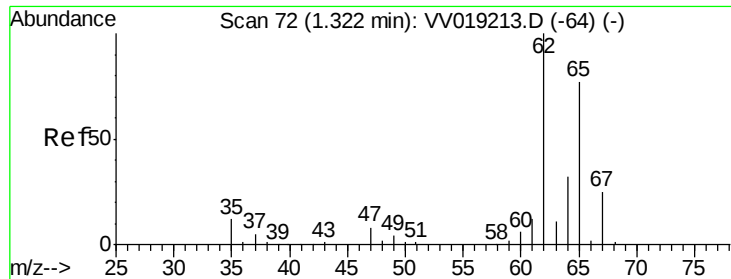
52 31.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 54.653 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

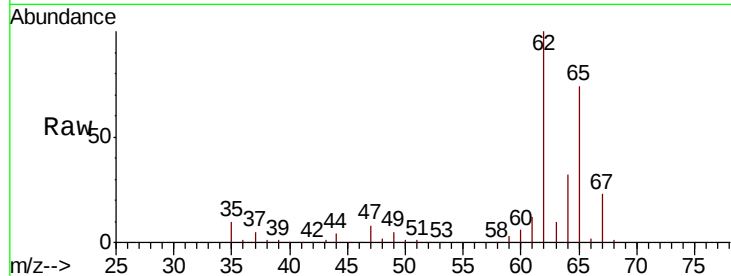
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 88349

Ion Ratio Lower Upper

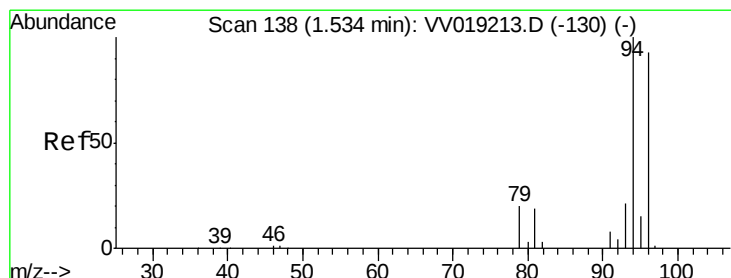
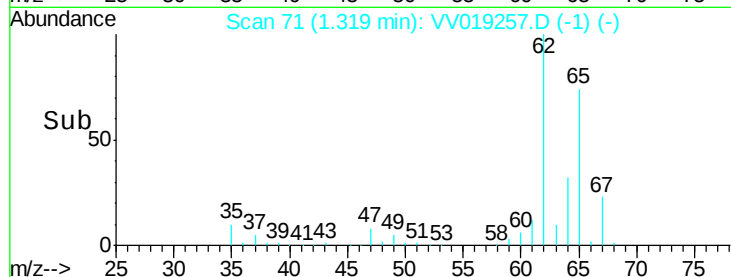
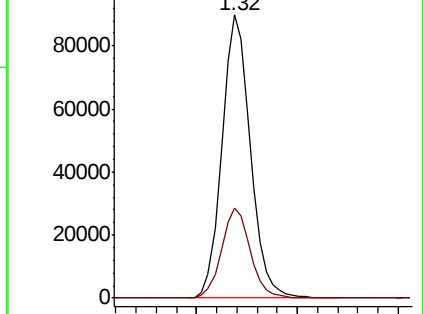
62 100

64 31.9 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV019213.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV019213.D (-64) (-)



#6

Bromomethane

Concen: 53.864 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019257.D

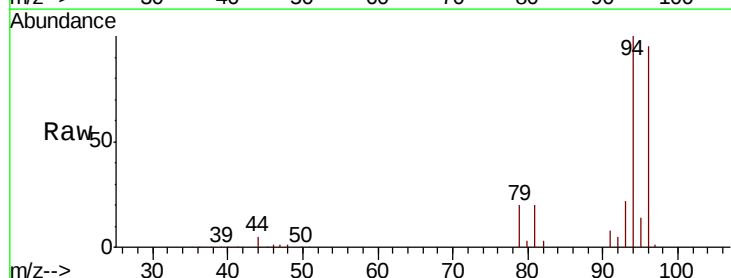
Acq: 04 Nov 2020 20:23

Tgt Ion: 94 Resp: 58519

Ion Ratio Lower Upper

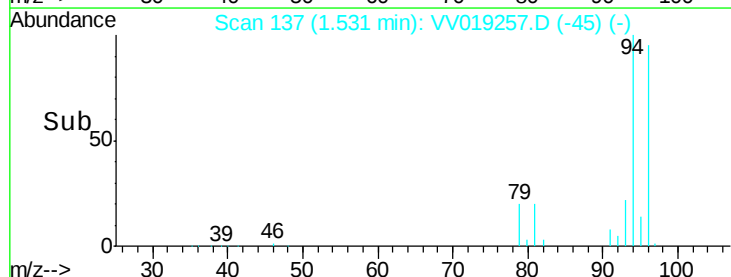
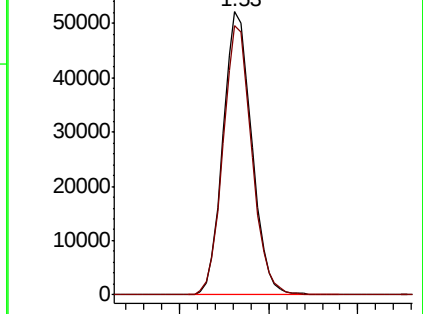
94 100

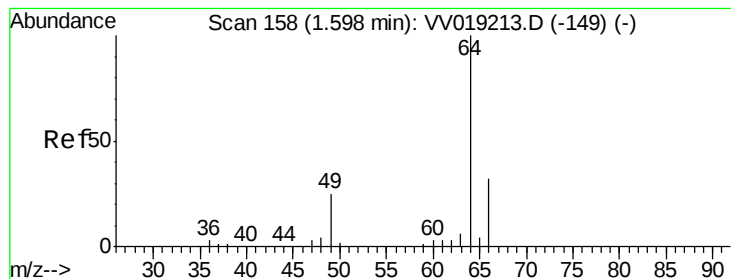
96 95.0 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV019213.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV019213.D (-130) (-)





#8

Chloroethane

Concen: 55.512 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

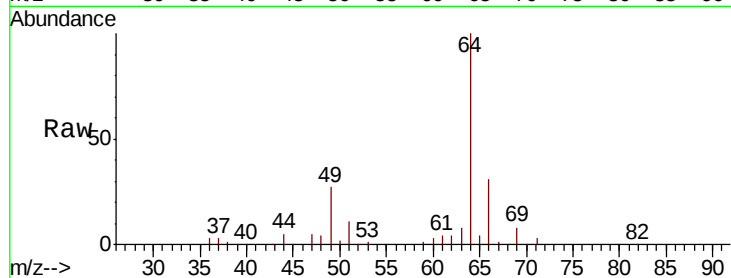
ClientSampleId :

Tot Ion: 64 Resp: 58690

Ion Ratio Lower Upper

64 100

66 30.7 22.5 41.9

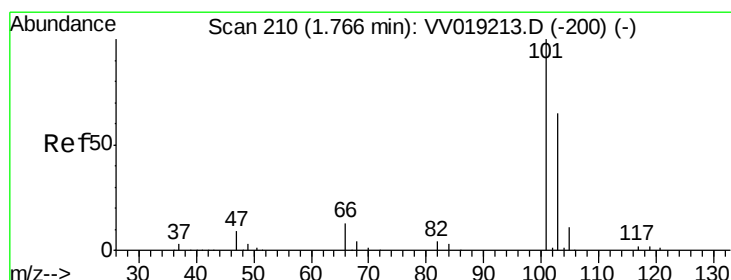
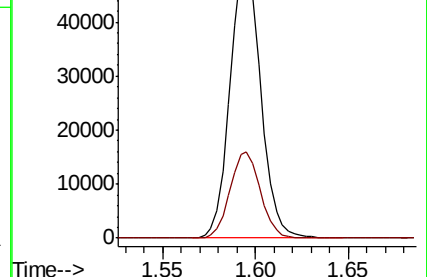
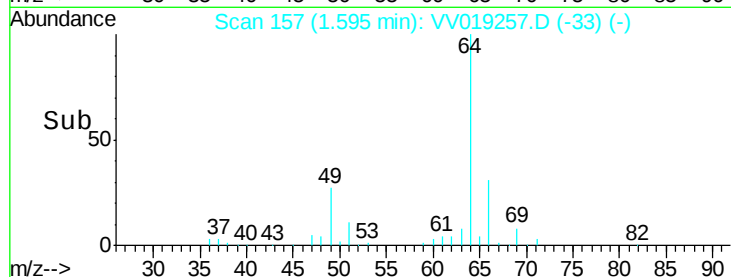


Abundance Ion 64.00 (63.70 to 64.70): VV019213.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV019213.D (-149) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 54.405 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019257.D

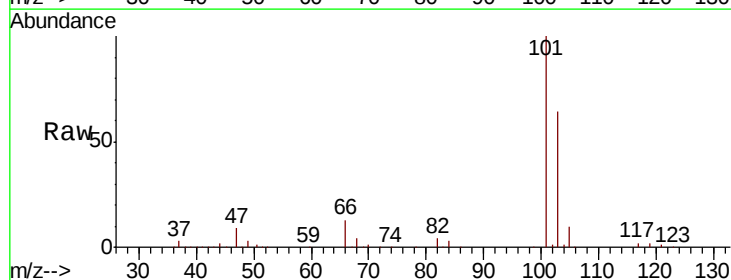
Acq: 04 Nov 2020 20:23

Tgt Ion: 101 Resp: 145597

Ion Ratio Lower Upper

101 100

103 64.4 52.3 78.5

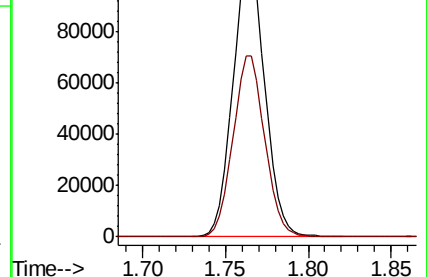
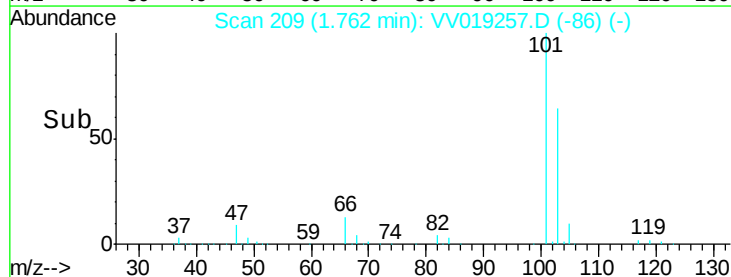


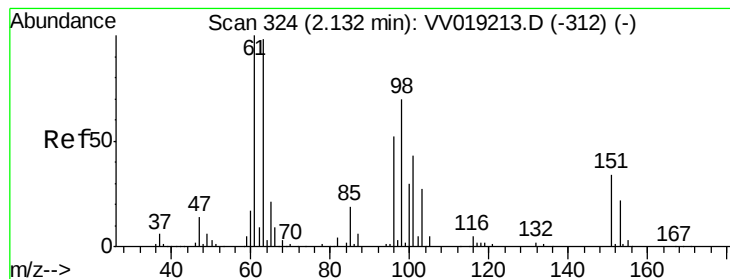
Abundance Ion 101.00 (100.70 to 101.70): VV019213.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV019213.D (-200) (-)

1.76

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 55.815 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

ClientSampleId :

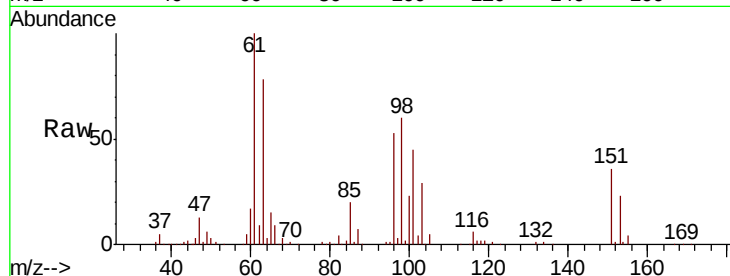
Tot Ion:101 Resp: 70973

Ion Ratio Lower Upper

101 100

85 44.9 35.6 53.4

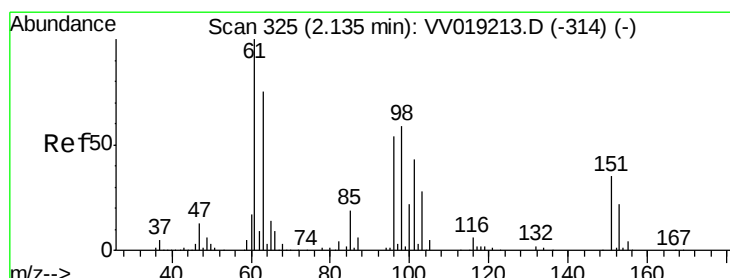
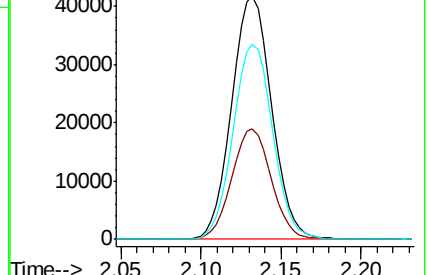
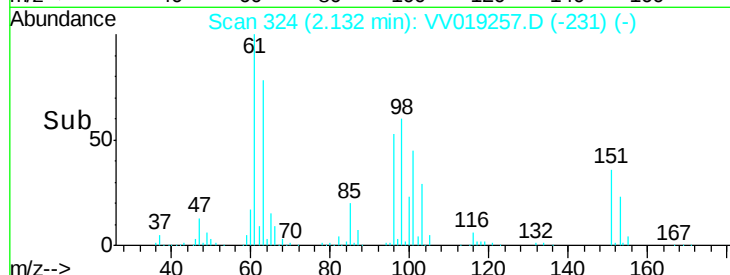
151 79.6 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV019257.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019257.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019257.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 54.281 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

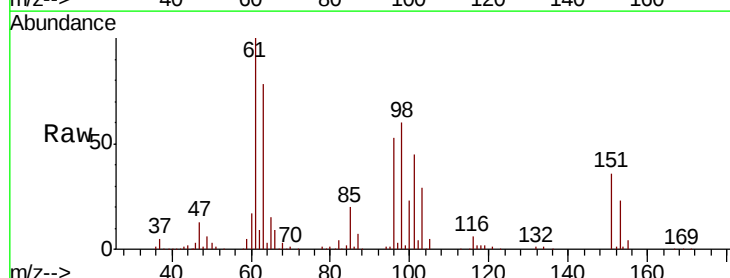
Tgt Ion: 96 Resp: 71339

Ion Ratio Lower Upper

96 100

61 188.7 133.6 248.0

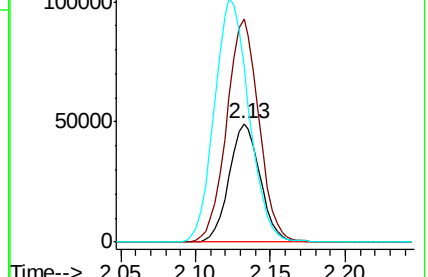
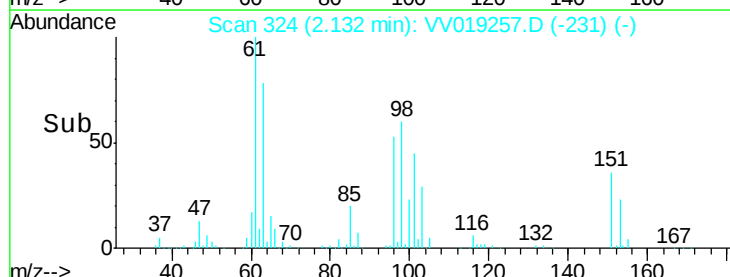
63 148.1 103.0 191.2

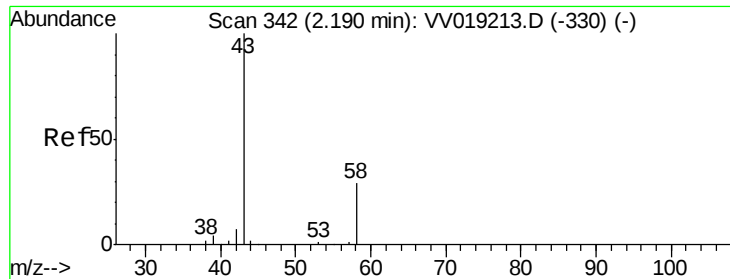


Abundance Ion 96.00 (95.70 to 96.70): VV019257.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019257.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019257.D (-231) (-)





#13

Acetone

Concen: 106.155 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

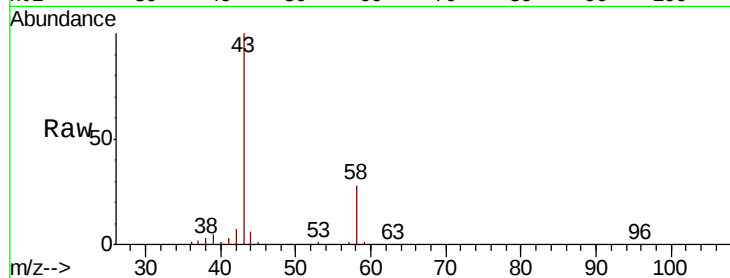
ClientSampleId :

Tot Ion: 43 Resp: 83631

Ion Ratio Lower Upper

43 100

58 28.4 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019213.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV019213.D (-330) (-)

2.19

50000

40000

30000

20000

10000

0

Time-->

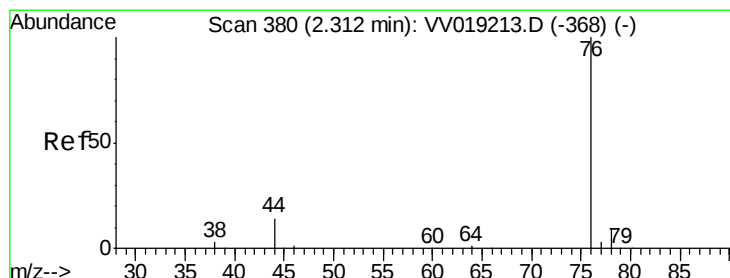
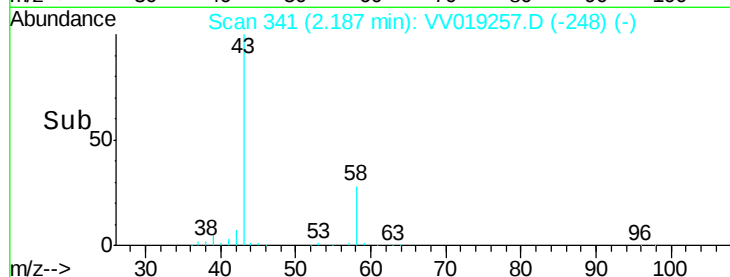
2.10

2.15

2.20

2.25

2.30



#14

Carbon disulfide

Concen: 50.331 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019257.D

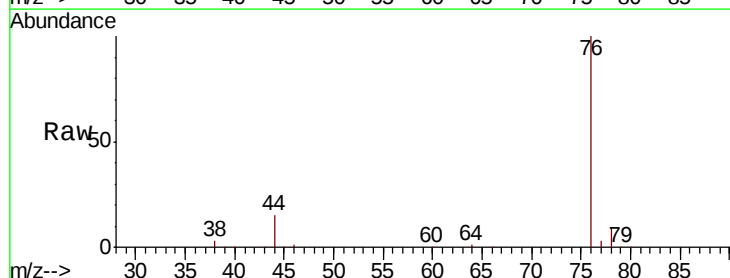
Acq: 04 Nov 2020 20:23

Tgt Ion: 76 Resp: 189942

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019213.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019213.D (-368) (-)

2.31

150000

100000

50000

0

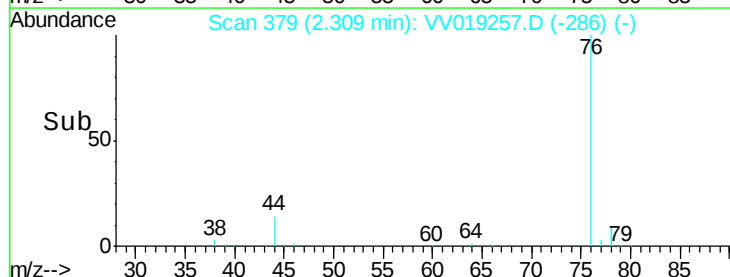
Time-->

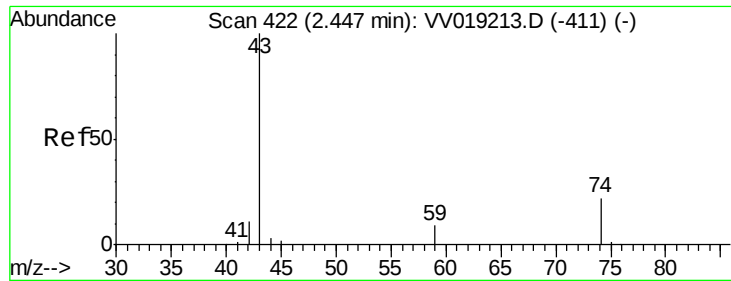
2.25

2.30

2.35

2.40

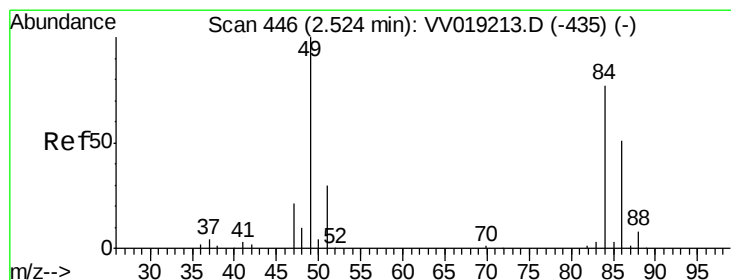
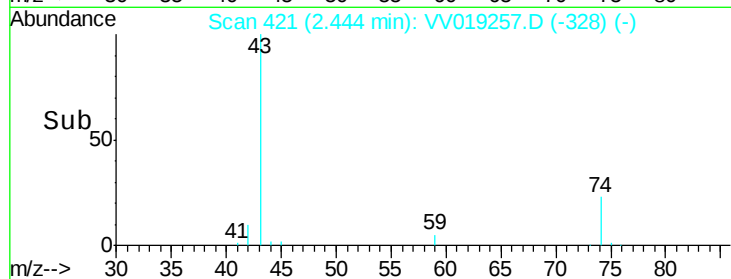
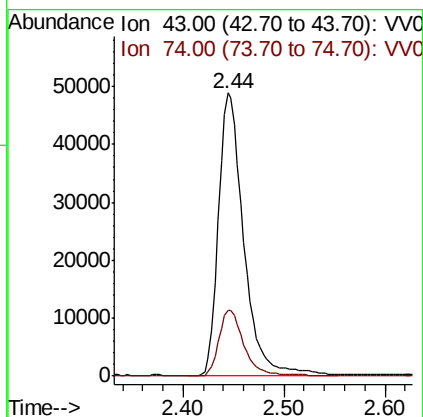
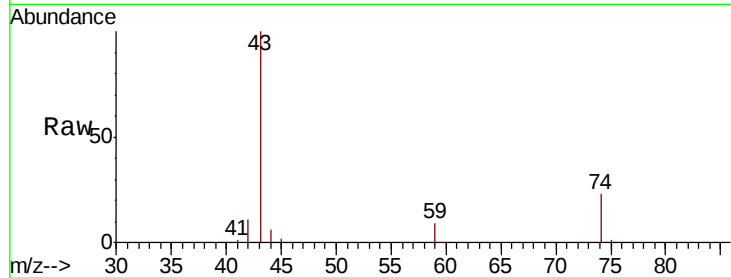




#15
Methvl Acetate
Concen: 56.425 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

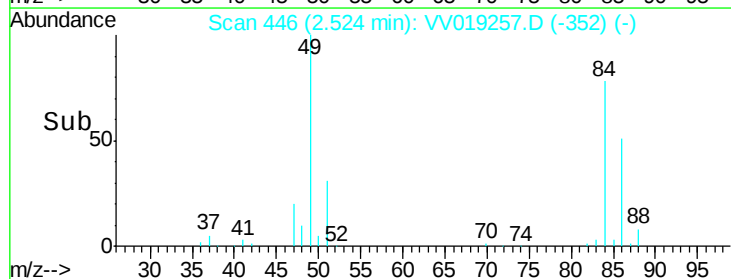
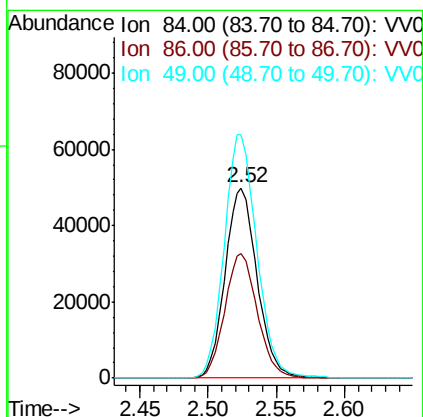
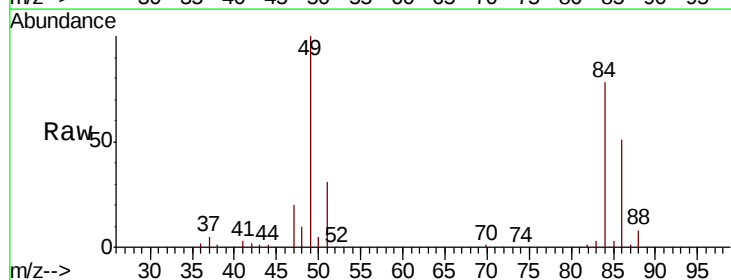
Instrument :
MSVOA_V
ClientSampled :

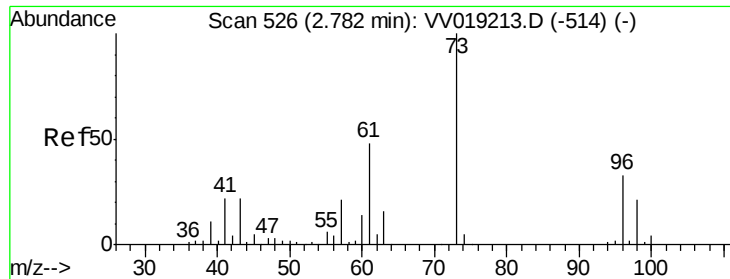
Tot Ion: 43 Resp: 86132
Ion Ratio Lower Upper
43 100
74 22.7 18.8 28.2



#16
Methylene chloride
Concen: 52.210 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Tgt Ion: 84 Resp: 81568
Ion Ratio Lower Upper
84 100
86 65.6 45.6 84.8
49 128.2 89.3 165.9

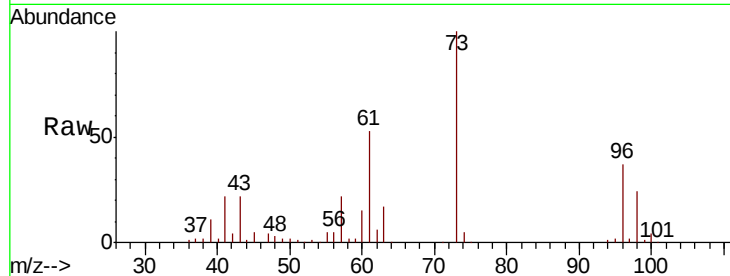




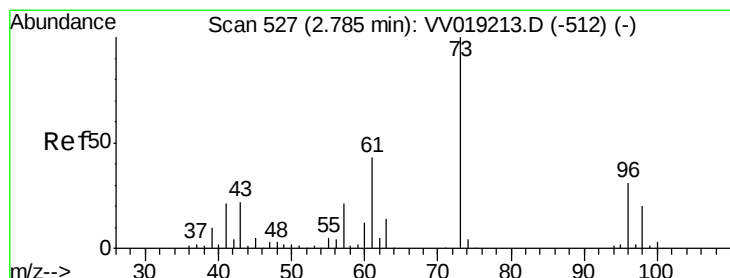
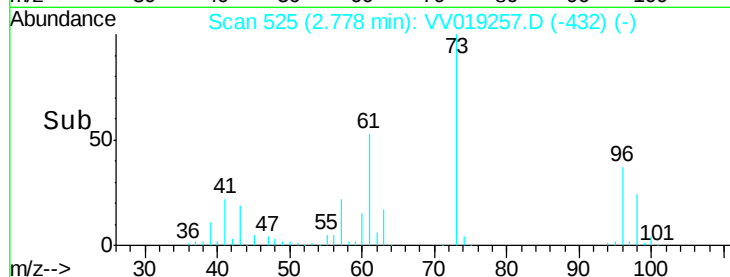
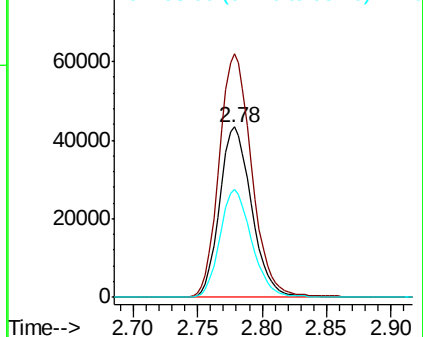
#17
trans-1,2-Dichloroethene
Concen: 52.437 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 74762
Ion Ratio Lower Upper
96 100
61 142.7 100.7 187.1
98 63.4 42.9 79.7

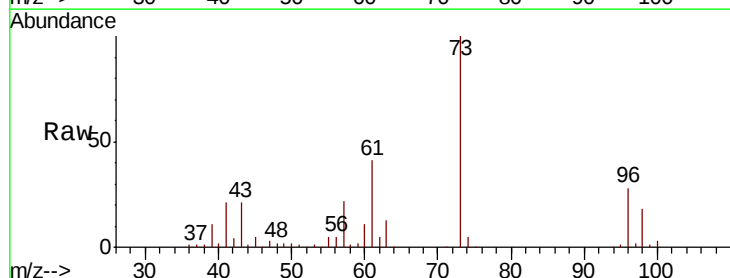


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

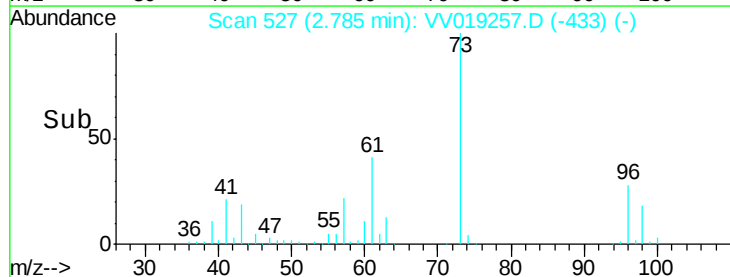
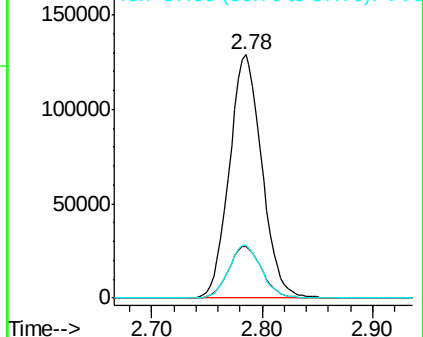


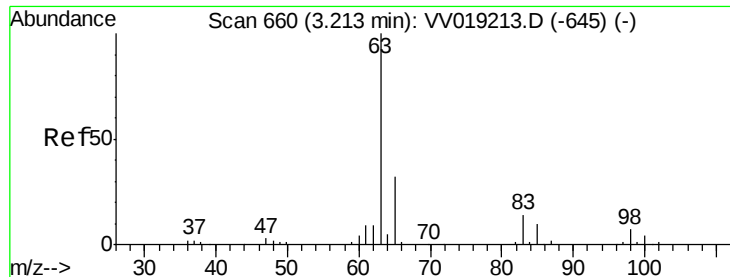
#18
Methyl tert-butyl Ether
Concen: 52.588 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Tgt Ion: 73 Resp: 263556
Ion Ratio Lower Upper
73 100
43 21.6 17.9 26.9
57 21.7 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 53.350 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

ClientSampleId :

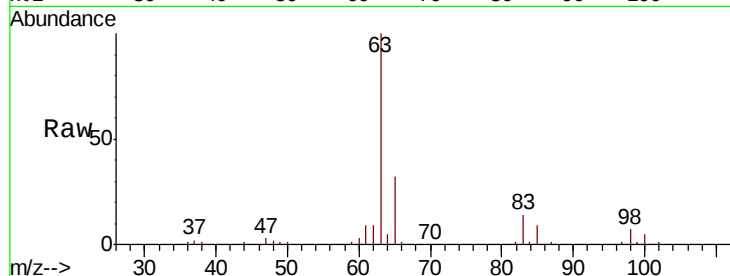
Tot Ion: 63 Resp: 149031

Ion Ratio Lower Upper

63 100

65 32.3 21.8 40.6

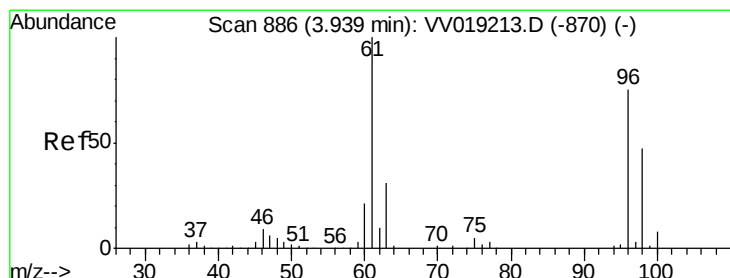
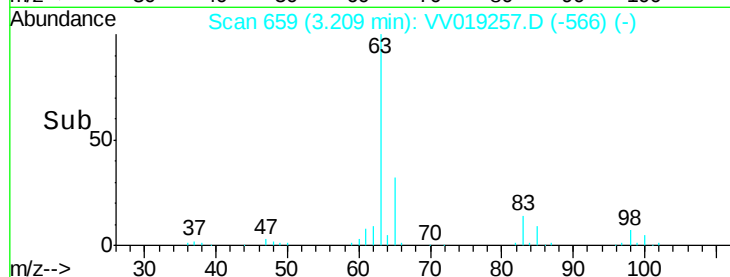
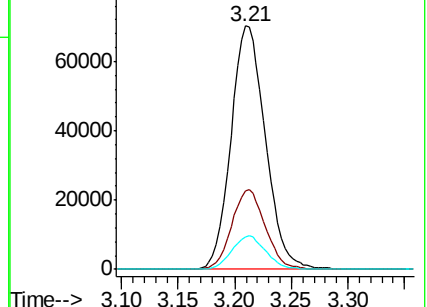
83 13.5 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV019213.D (-645) (-)

Ion 65.00 (64.70 to 65.70): VV019213.D (-645) (-)

Ion 83.00 (82.70 to 83.70): VV019213.D (-645) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.640 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

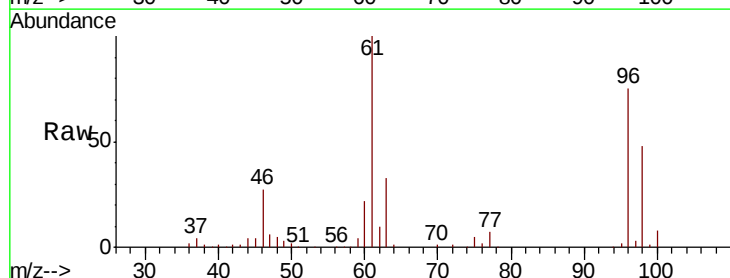
Tgt Ion: 96 Resp: 82939

Ion Ratio Lower Upper

96 100

61 133.5 95.6 177.6

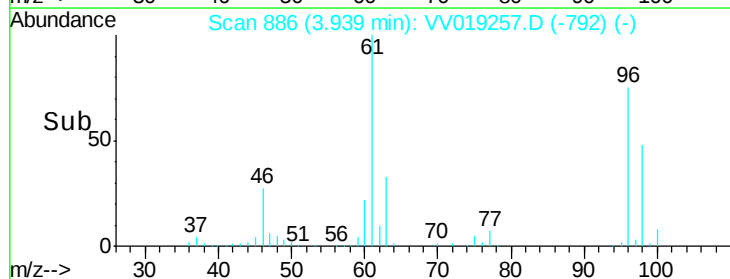
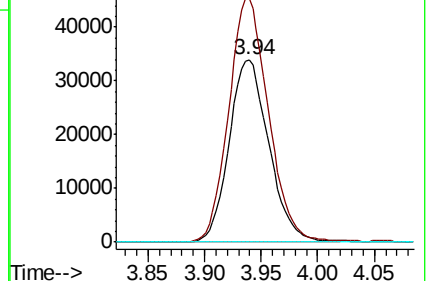
68 0.0 0.0 0.0

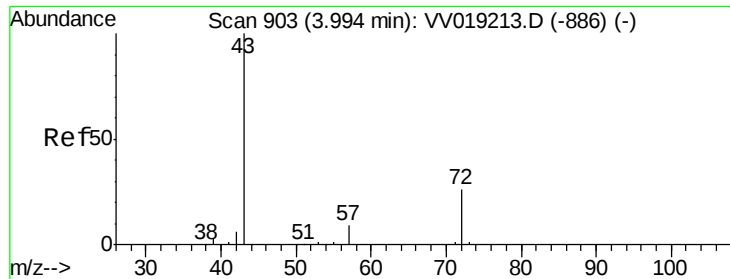


Abundance Ion 96.00 (95.70 to 96.70): VV019213.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV019213.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV019213.D (-870) (-)





#22

2-Butanone

Concen: 114.011 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

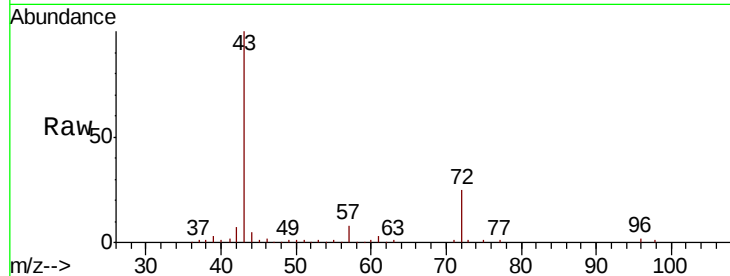
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 114015

Ion Ratio Lower Upper

43 100

72 23.2 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

3.99

40000

30000

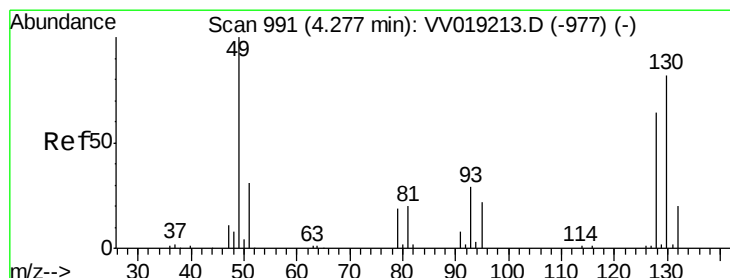
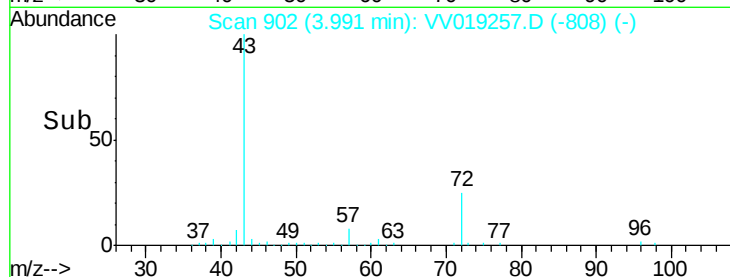
20000

10000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 51.669 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Tgt Ion:128 Resp: 44825

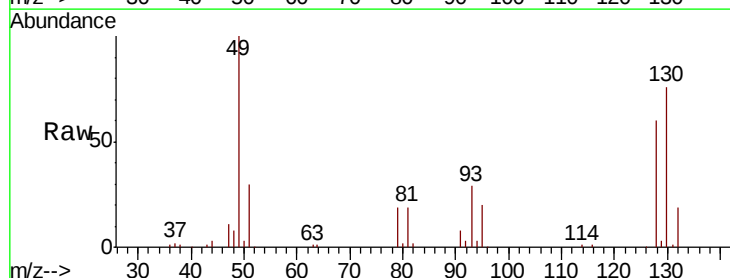
Ion Ratio Lower Upper

128 100

49 166.7 108.8 202.2

130 127.4 88.5 164.3

51 50.3 37.8 56.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0

40000

30000

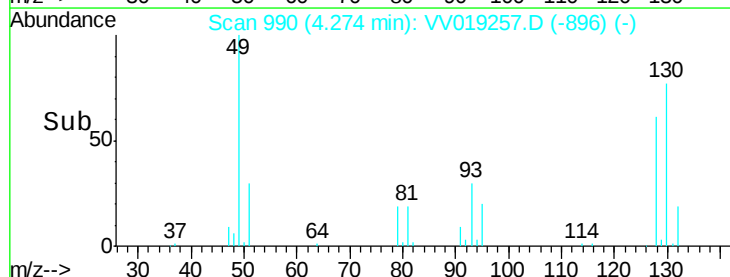
20000

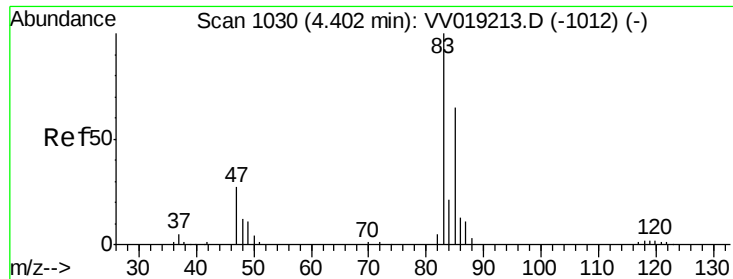
10000

0

Time-->

4.20 4.25 4.30 4.35

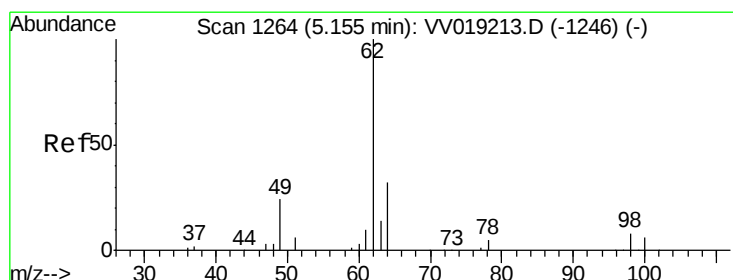
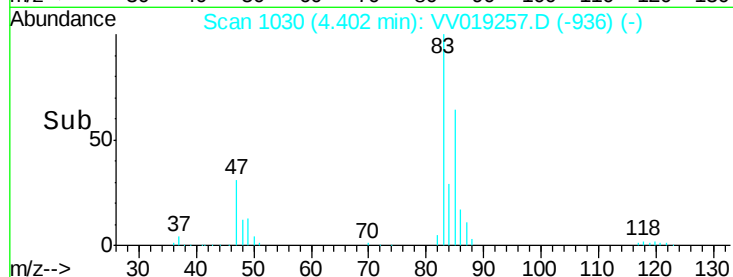
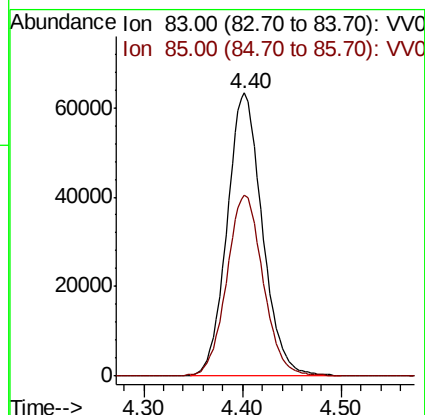
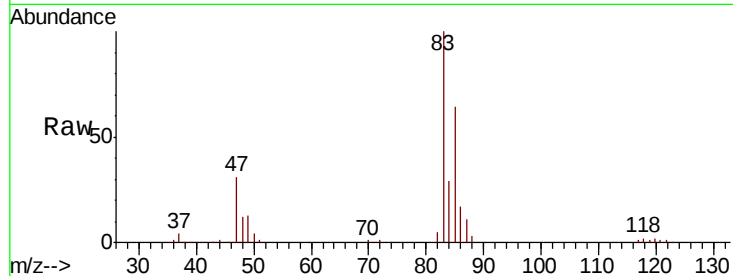




#25
Chloroform
Concen: 52.708 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

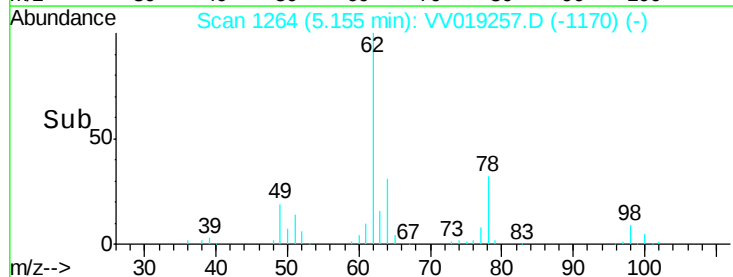
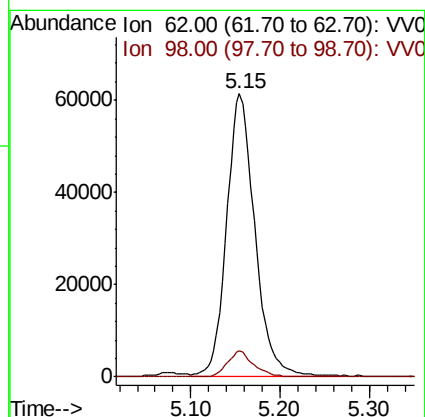
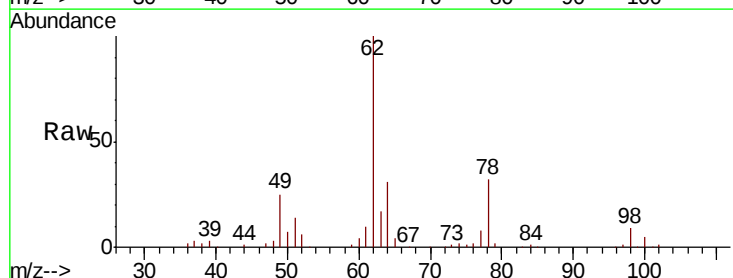
Instrument :
MSVOA_V
ClientSampleId :

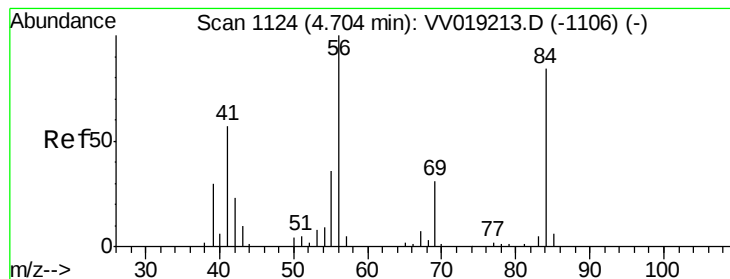
Tot Ion: 83 Resp: 157856
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 52.593 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Tgt Ion: 62 Resp: 133891
Ion Ratio Lower Upper
62 100
98 9.3 6.8 10.2





#29

Cyclohexane

Concen: 53.293 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :
MSVOA_V
ClientSampleId :

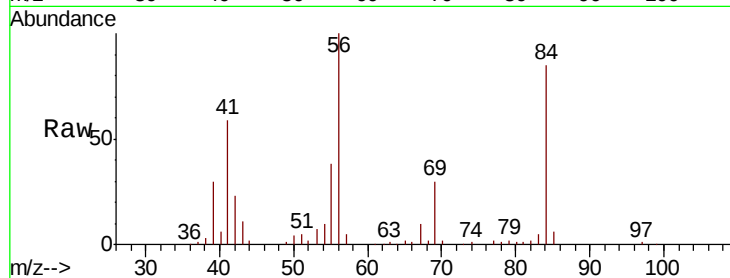
Tot Ion: 56 Resp: 108764

Ion Ratio Lower Upper

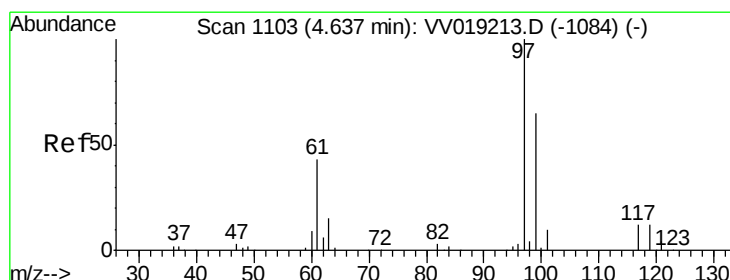
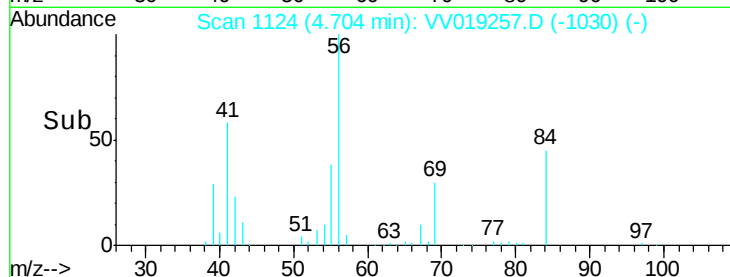
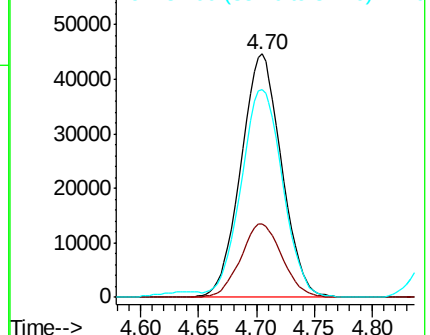
56 100

69 30.8 24.6 36.8

84 86.9 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 52.148 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

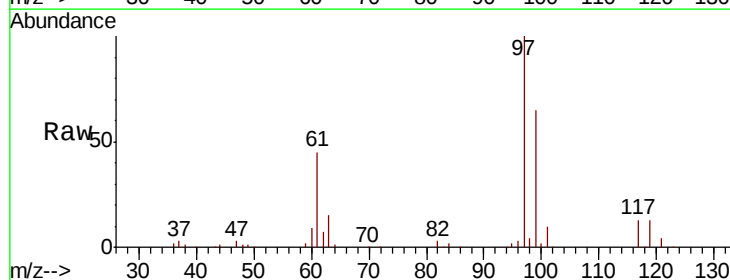
Tgt Ion: 97 Resp: 144234

Ion Ratio Lower Upper

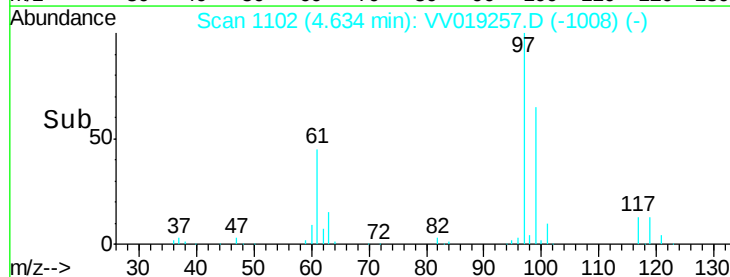
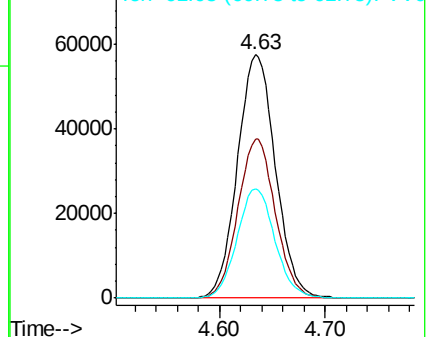
97 100

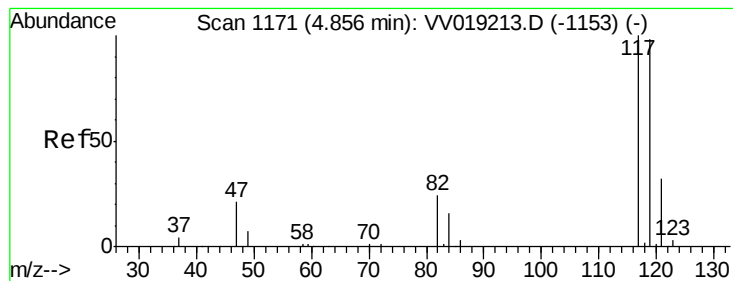
99 64.6 52.0 78.0

61 44.8 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 52.439 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

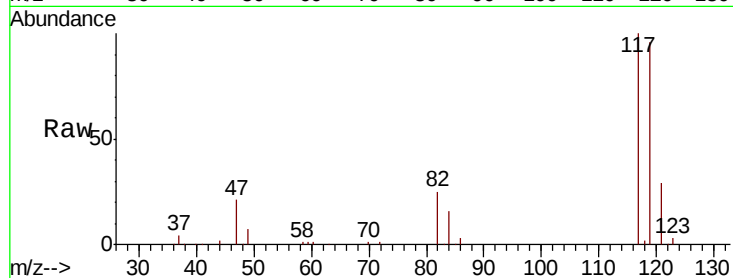
ClientSampled :

Tot Ion:117 Resp: 125233

Ion Ratio Lower Upper

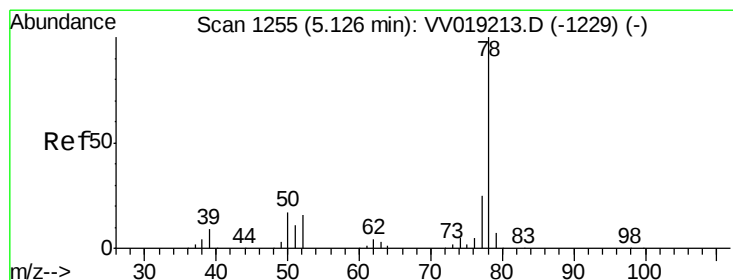
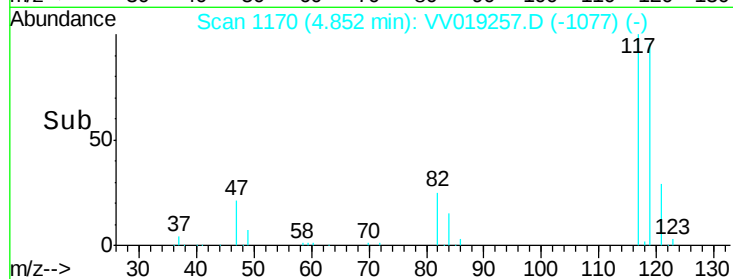
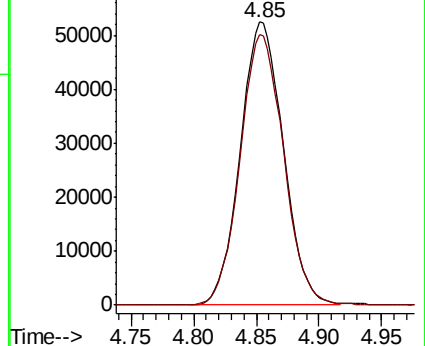
117 100

119 96.4 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.382 ug/L

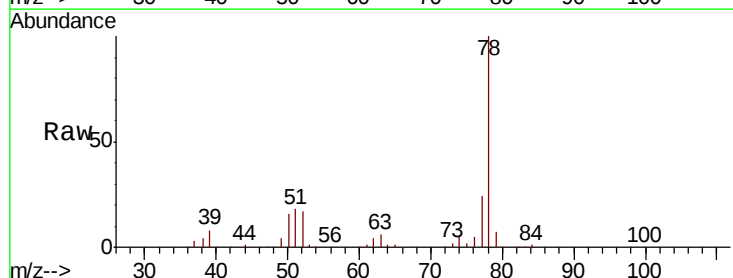
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

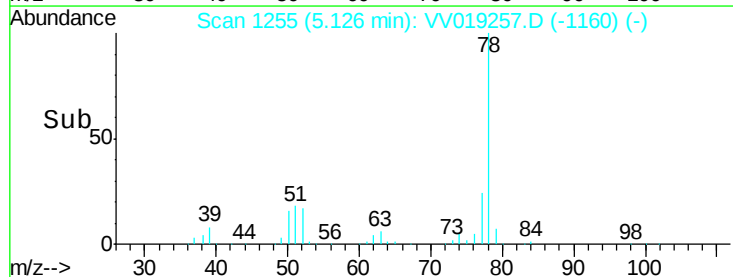
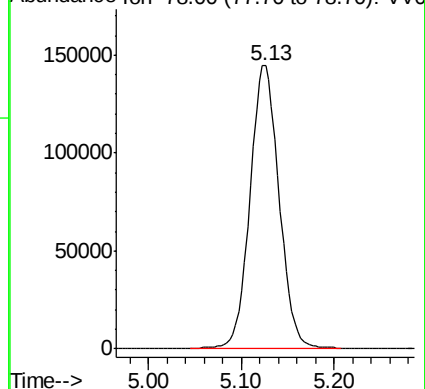
Lab File: VV019257.D

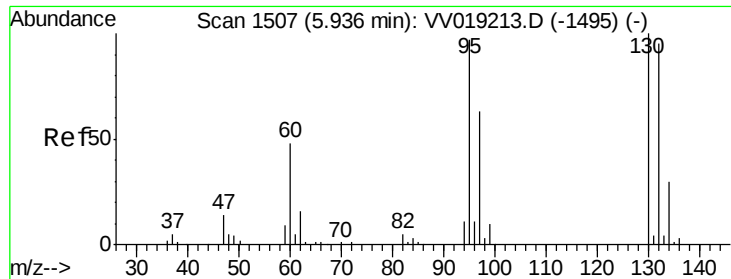
Acq: 04 Nov 2020 20:23

Tgt Ion: 78 Resp: 316385



Abundance Ion 78.00 (77.70 to 78.70): VV0

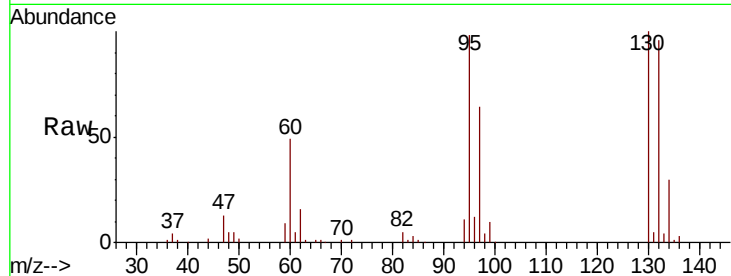




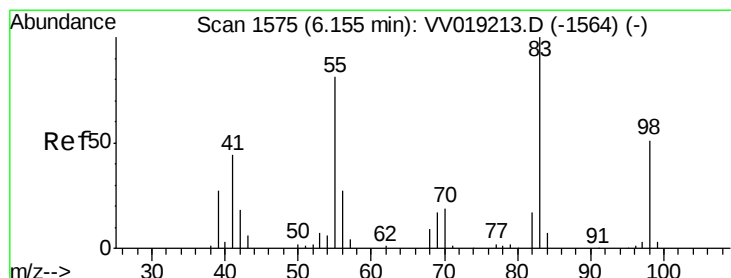
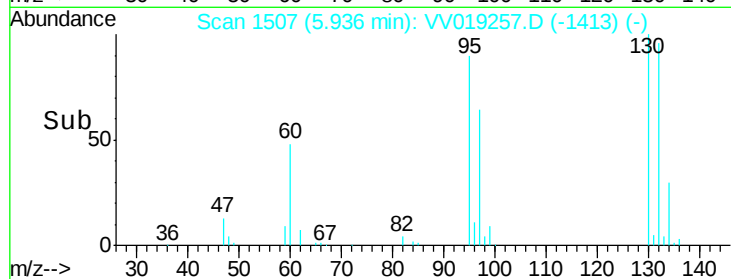
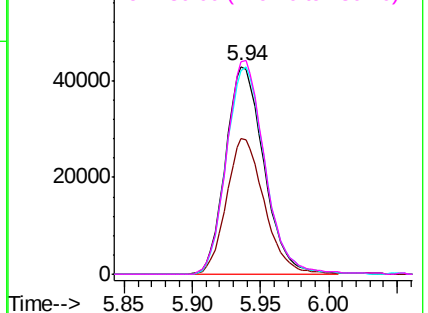
#34
 Trichloroethene
 Concen: 52.034 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 83809
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.4 84.4
 132 98.3 68.5 127.3
 130 102.5 72.0 133.6

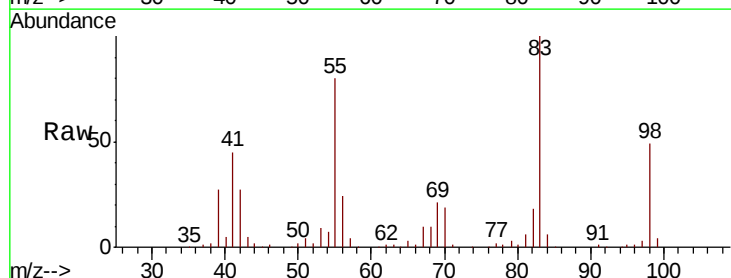


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

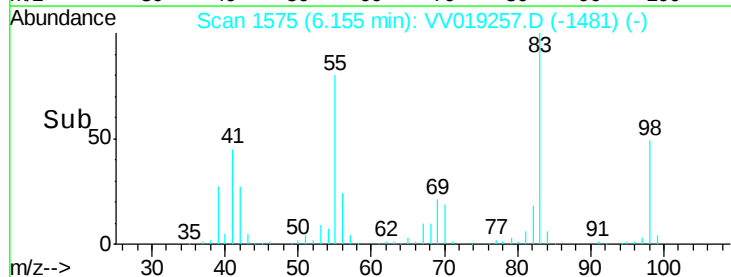
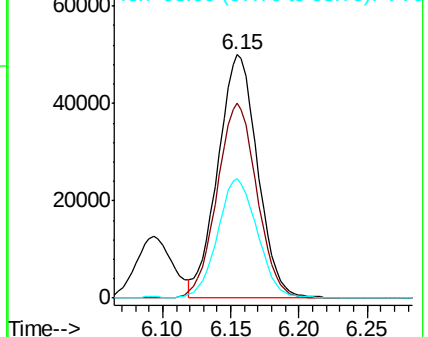


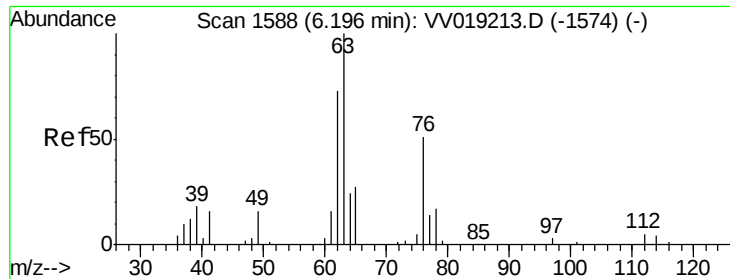
#35
 Methylcyclohexane
 Concen: 51.870 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

Tgt Ion: 83 Resp: 101121
 Ion Ratio Lower Upper
 83 100
 55 80.2 62.8 94.2
 98 49.2 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

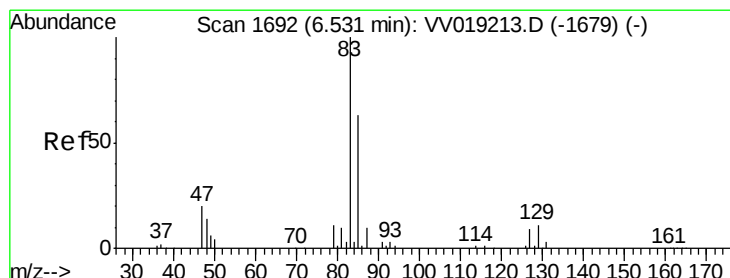
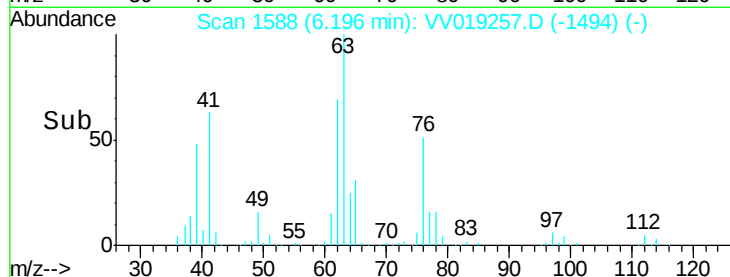
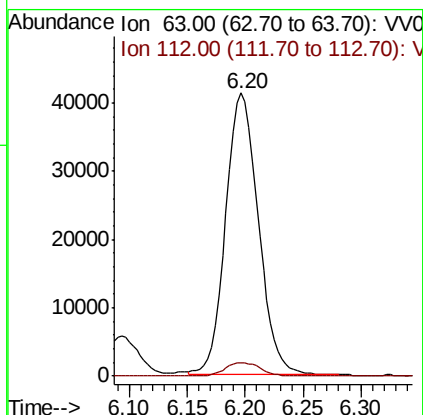
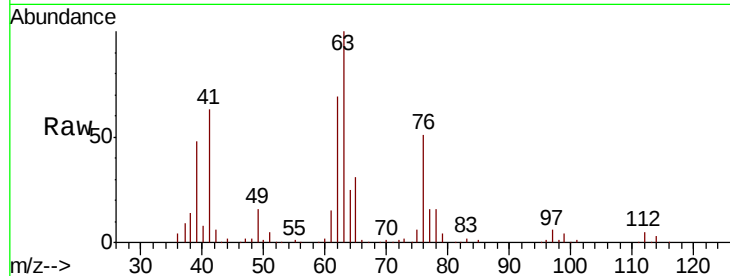




#37
 1,2-Dichloropropane
 Concen: 51.354 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

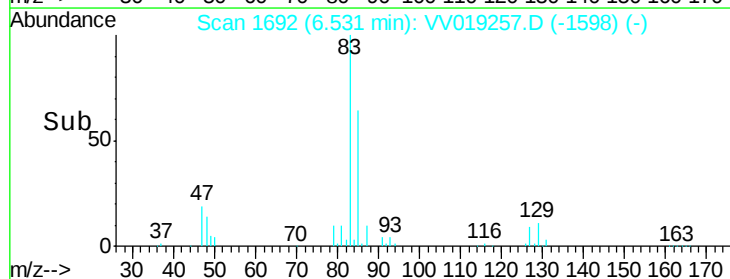
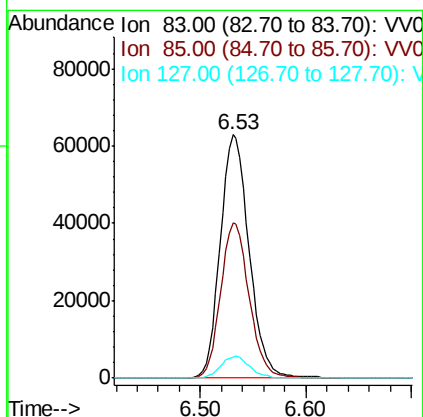
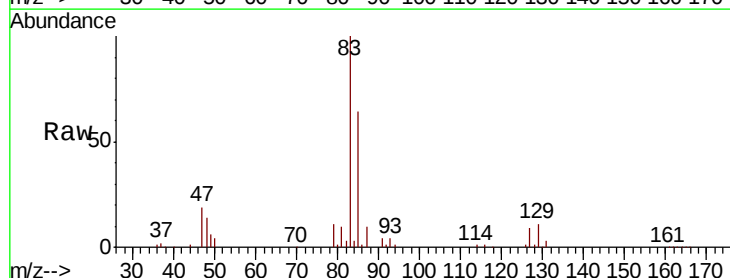
Instrument :
 MSVOA_V
 ClientSampleId :

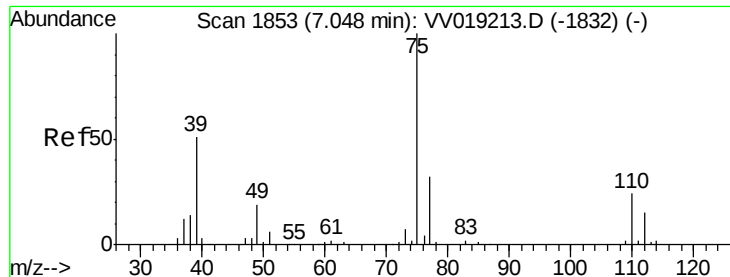
Tot Ion: 63 Resp: 81229
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.2



#38
 Bromodichloromethane
 Concen: 52.327 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

Tgt Ion: 83 Resp: 119115
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.0 81.8
 127 8.8 7.3 10.9

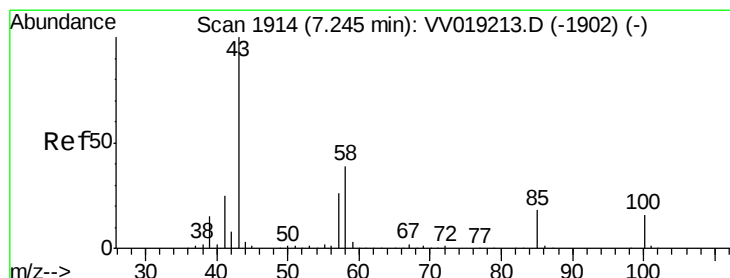
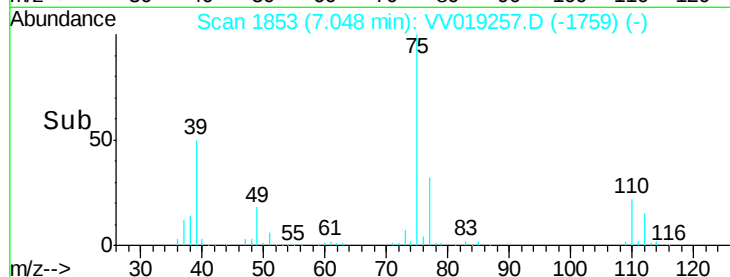
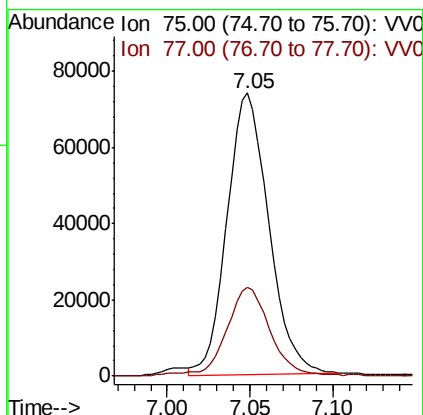
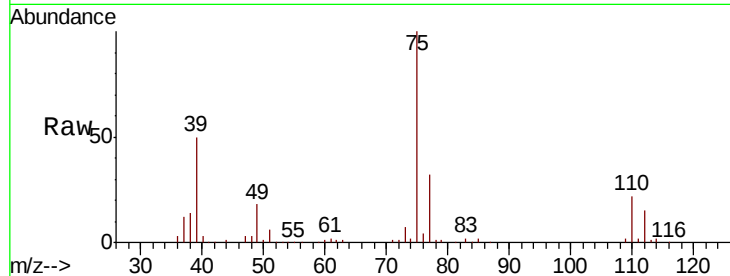




#39
 cis-1,3-Dichloropropene
 Concen: 50.835 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

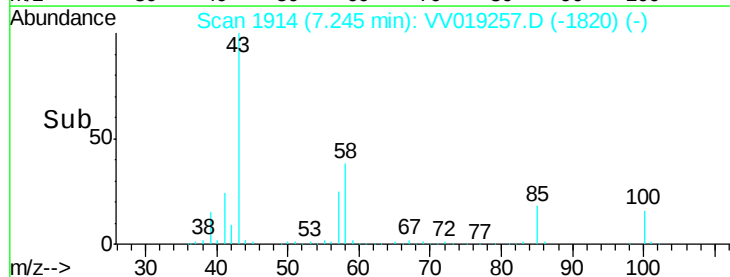
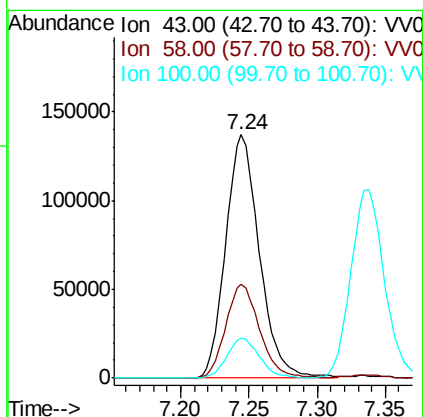
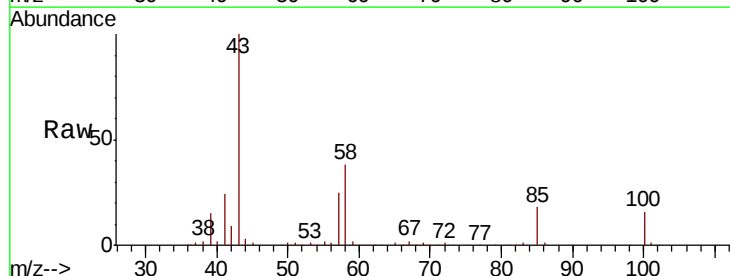
Instrument :
 MSVOA_V
 ClientSampled :

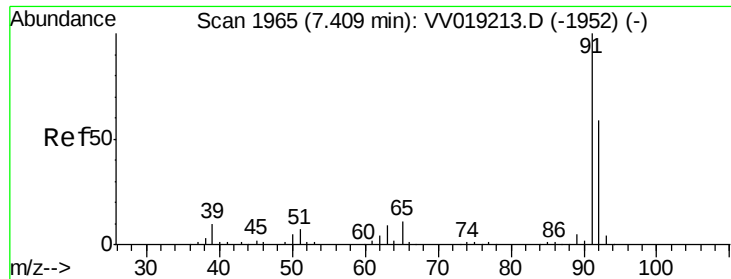
Tot Ion: 75 Resp: 128660
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 111.085 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

Tgt Ion: 43 Resp: 236046
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.5 45.7
 100 15.9 12.7 19.1





#42

Toluene

Concen: 53.383 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

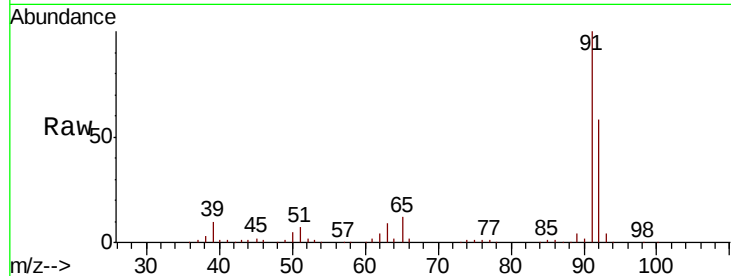
ClientSampleId :

Tot Ion: 91 Resp: 341986

Ion Ratio Lower Upper

91 100

92 58.4 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

200000

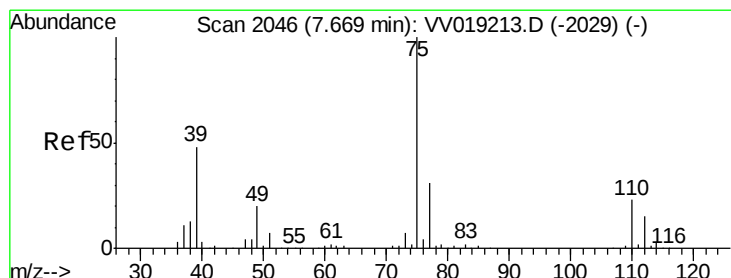
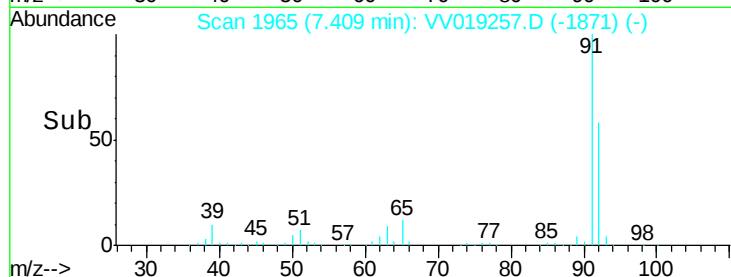
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.830 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019257.D

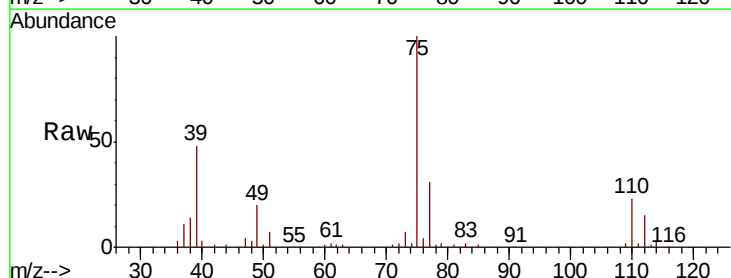
Acq: 04 Nov 2020 20:23

Tgt Ion: 75 Resp: 137016

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

80000

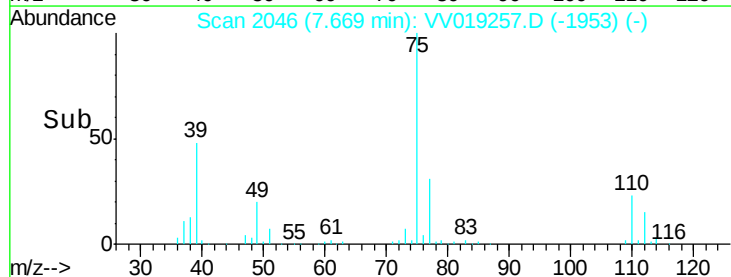
60000

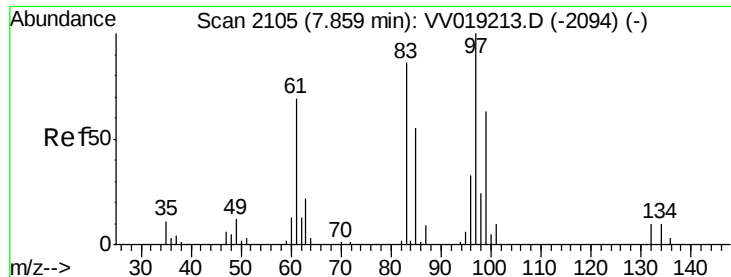
40000

20000

0

Time-->

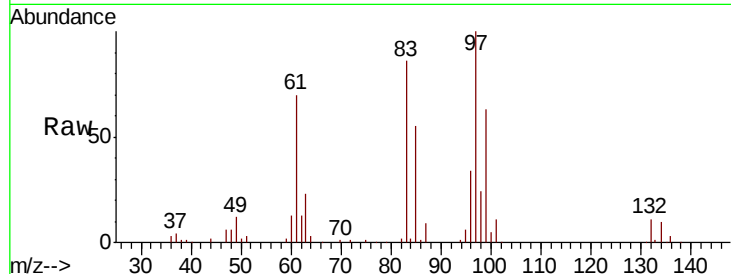




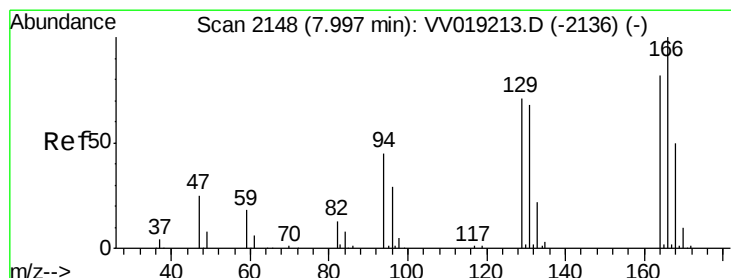
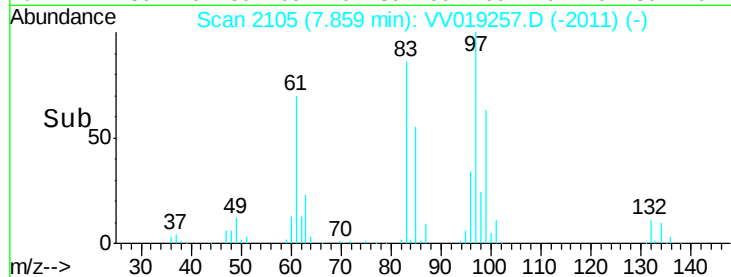
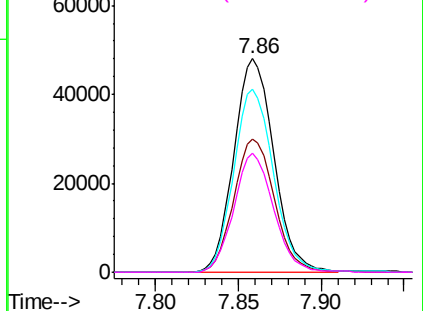
#45
1,1,2-Trichloroethane
Concen: 51.728 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	80871
Ion	Ratio	Lower	Upper
97	100		
99	62.6	45.1	83.9
83	85.6	57.6	107.0
85	55.5	37.8	70.2

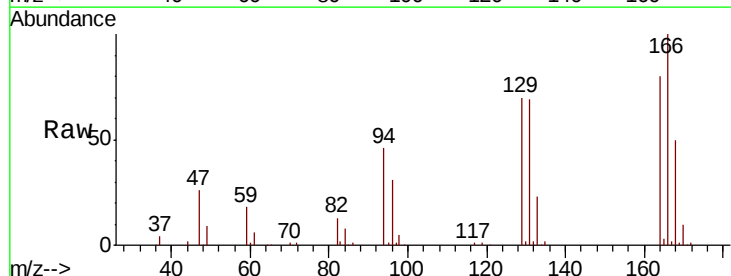


Abundance Ion 97.00 (96.70 to 97.70): VV019257.D (-2011) (-)

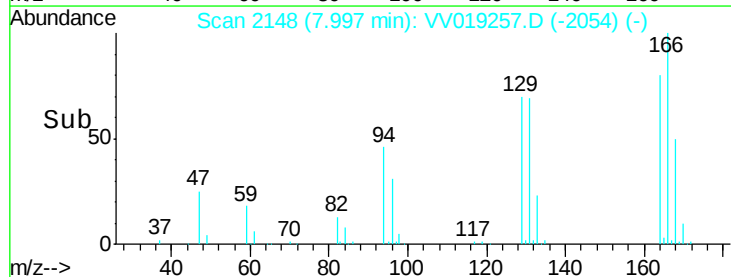
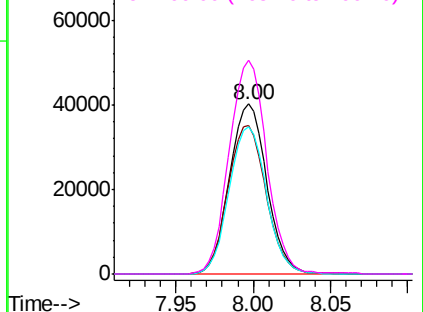


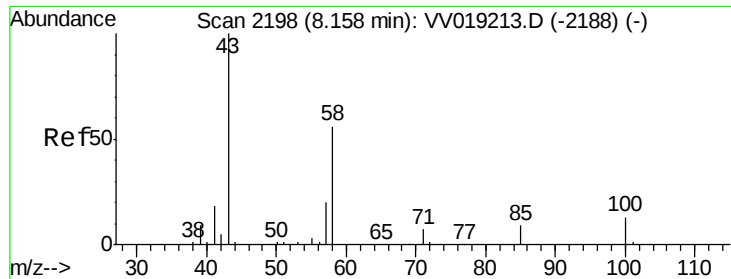
#46
Tetrachloroethene
Concen: 51.202 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Tgt Ion:	164	Resp:	67290
Ion	Ratio	Lower	Upper
164	100		
129	87.7	62.6	116.3
131	86.4	59.0	109.6
166	125.6	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV019257.D (-2054) (-)

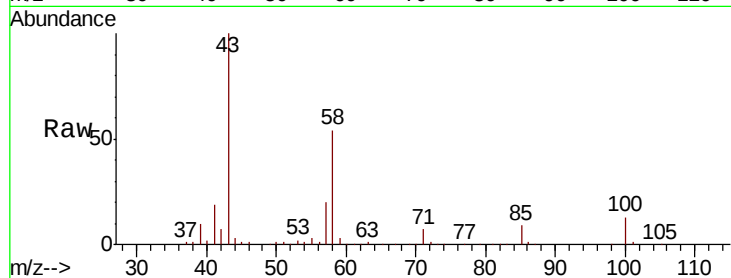




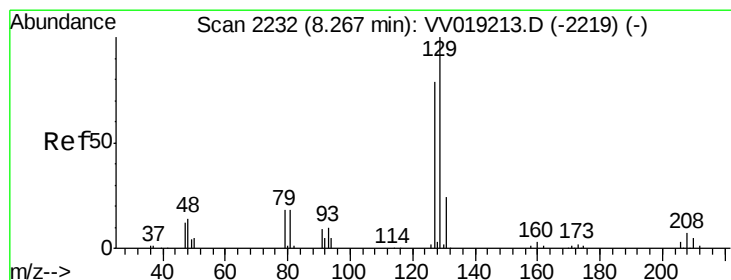
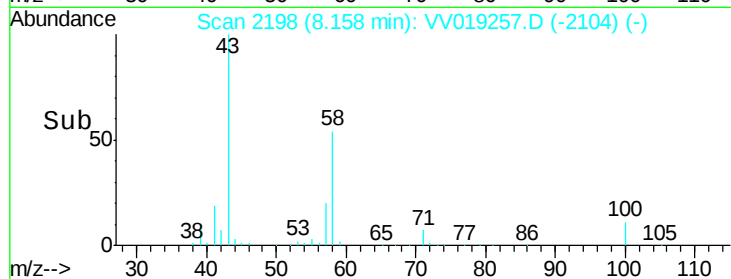
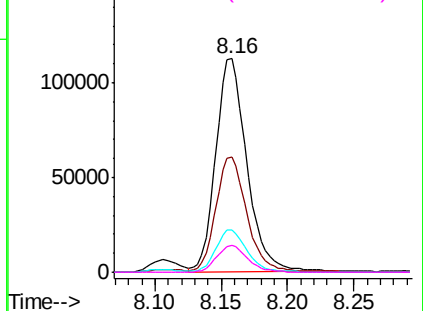
#48
2-Hexanone
Concen: 113.549 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 182416
Ion Ratio Lower Upper
43 100
58 54.0 42.6 63.8
57 19.8 15.8 23.8
100 12.8 10.4 15.6

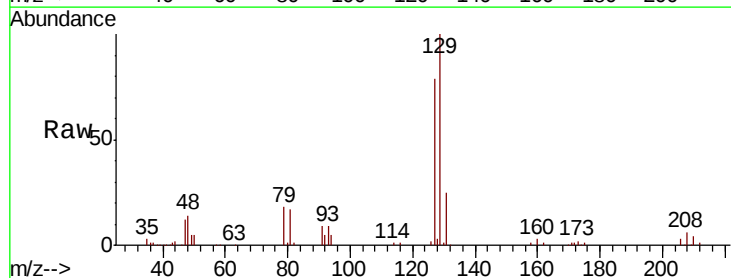


Abundance Ion 43.00 (42.70 to 43.70): VV019257.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV019257.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV019257.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV019257.D (-2198) (-)

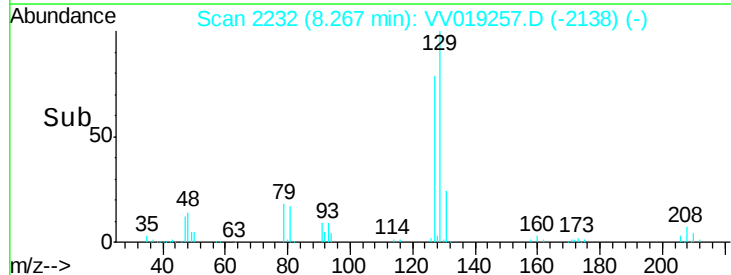
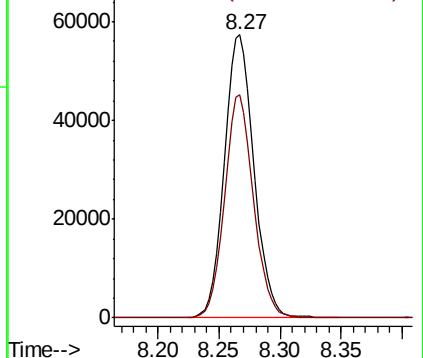


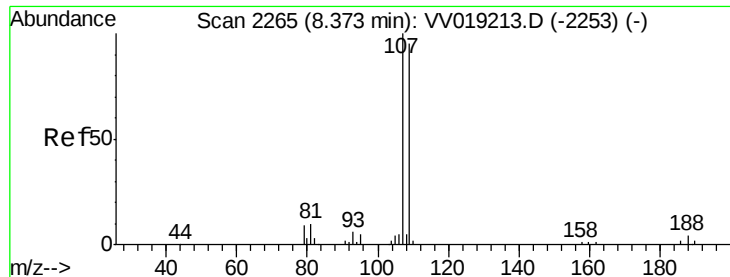
#49
Dibromochloromethane
Concen: 52.375 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Tgt Ion: 129 Resp: 97652
Ion Ratio Lower Upper
129 100
127 78.7 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): VV019257.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV019257.D (-2232) (-)

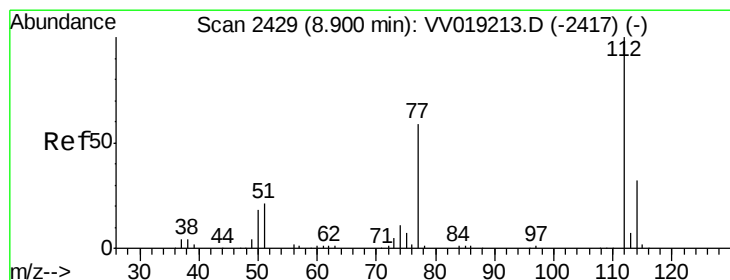
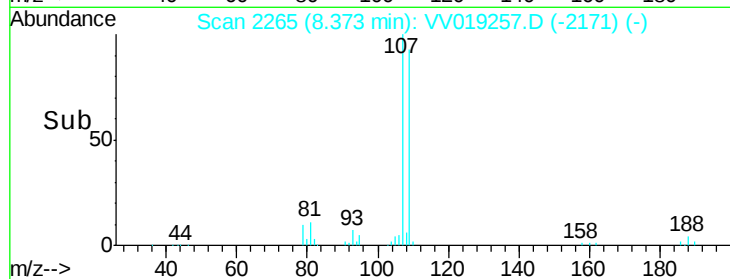
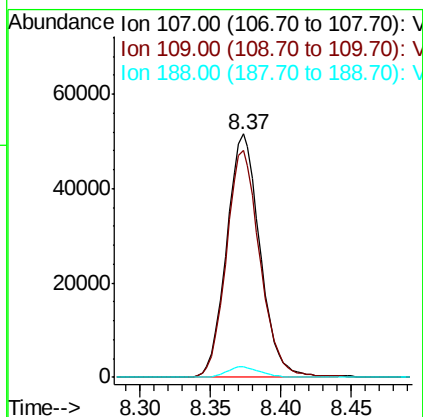
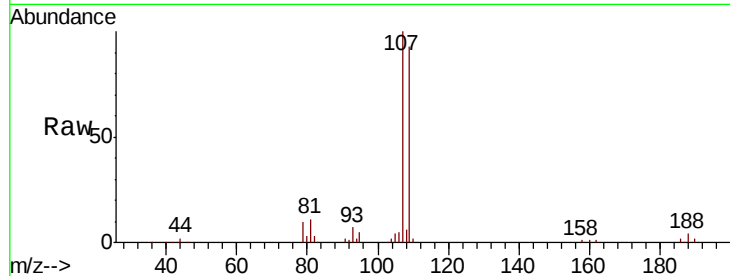




#50
1,2-Dibromoethane
Concen: 52.716 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

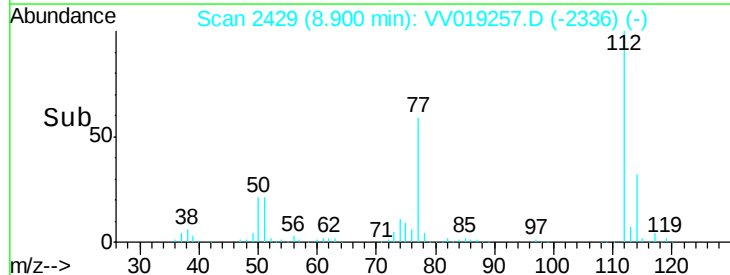
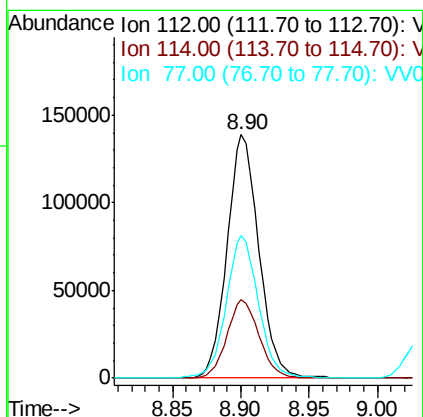
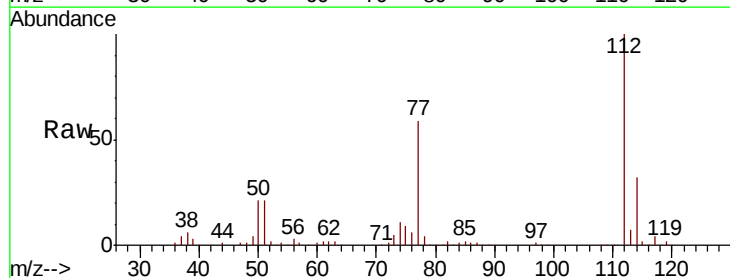
Instrument :
MSVOA_V
ClientSampleId :

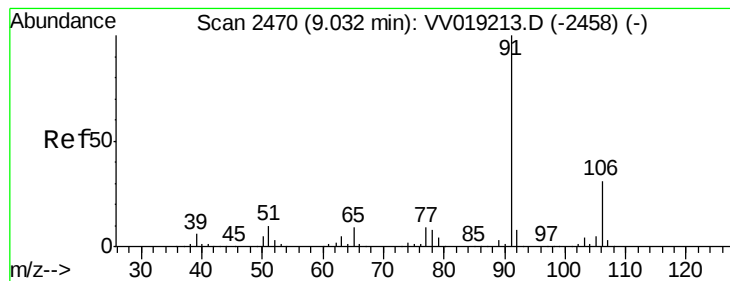
Tot Ion:107 Resp: 85426
Ion Ratio Lower Upper
107 100
109 93.1 64.8 120.4
188 4.4 3.8 5.8



#51
Chlorobenzene
Concen: 52.468 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Tgt Ion:112 Resp: 224838
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 58.6 47.3 70.9





#52

Ethylbenzene

Concen: 53.479 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

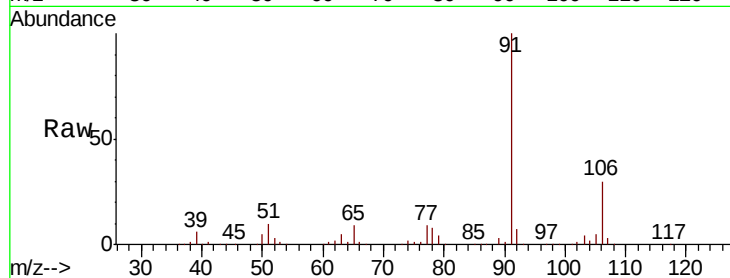
ClientSampleId :

Tot Ion: 91 Resp: 377991

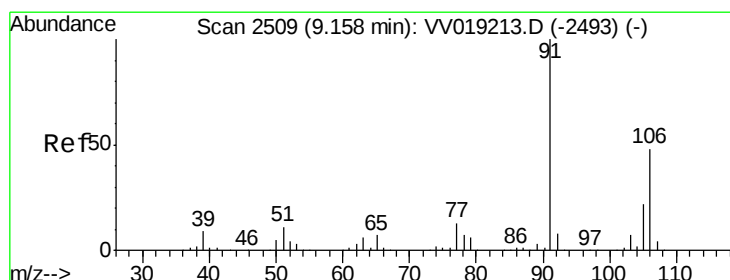
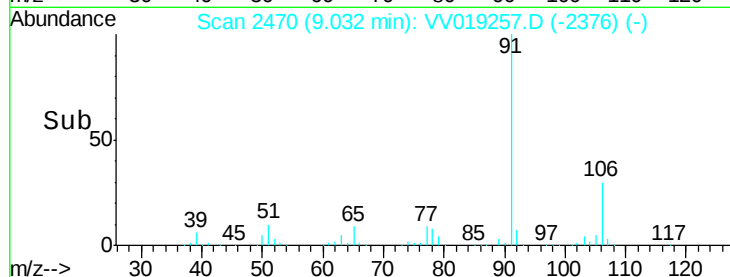
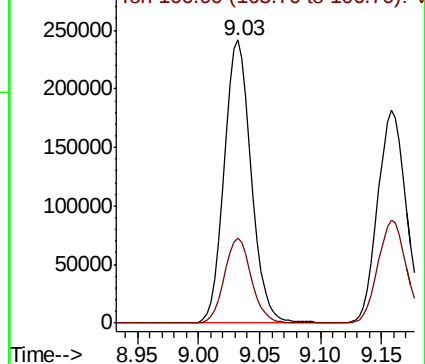
Ion Ratio Lower Upper

91 100

106 29.9 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019257.D (-2376) (-)



#53

m,p-Xylene

Concen: 53.553 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019257.D

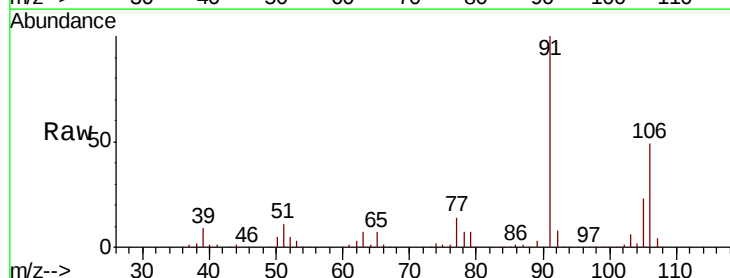
Acq: 04 Nov 2020 20:23

Tgt Ion: 106 Resp: 141707

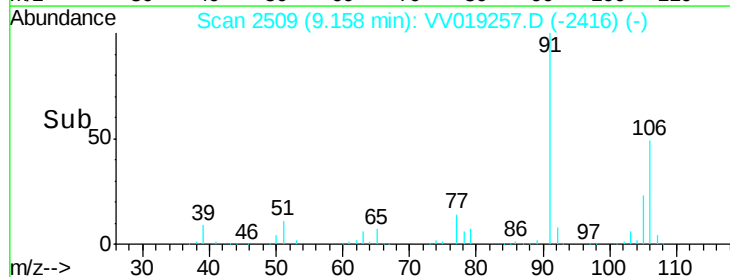
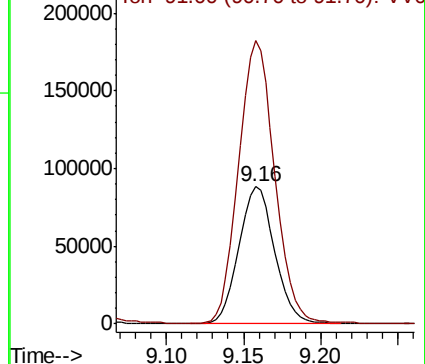
Ion Ratio Lower Upper

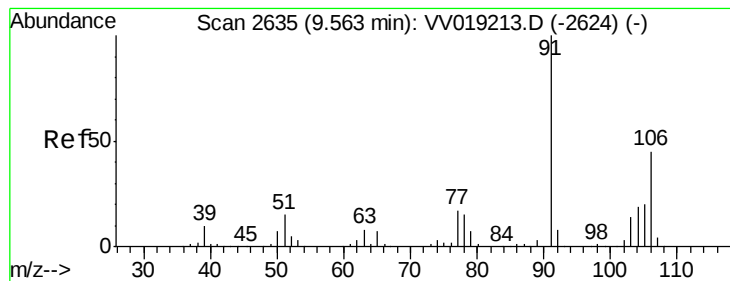
106 100

91 206.0 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019257.D (-2416) (-)





#54

o-Xylene

Concen: 53.091 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

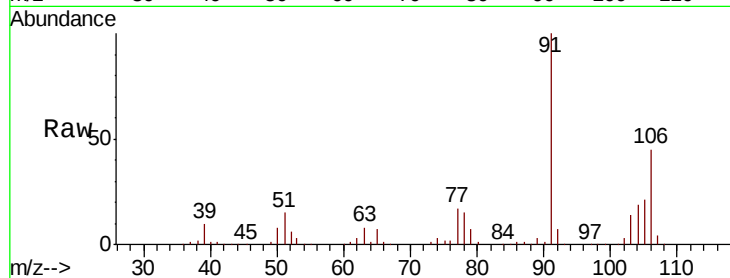
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 138476

Ion Ratio Lower Upper

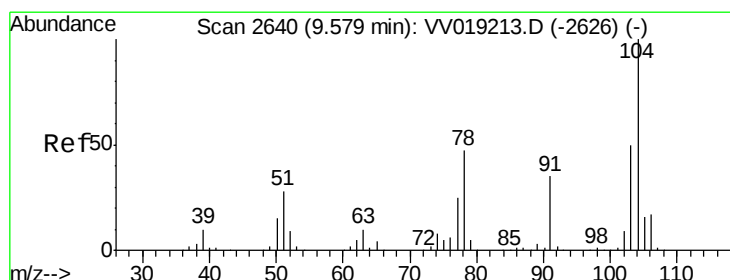
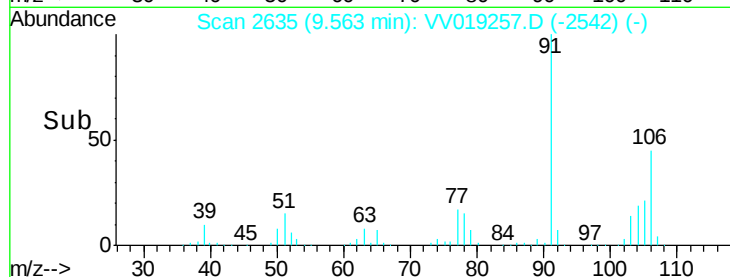
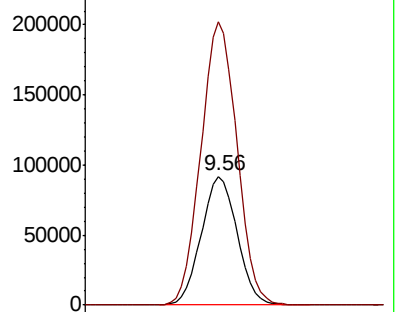
106 100

91 220.0 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.581 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019257.D

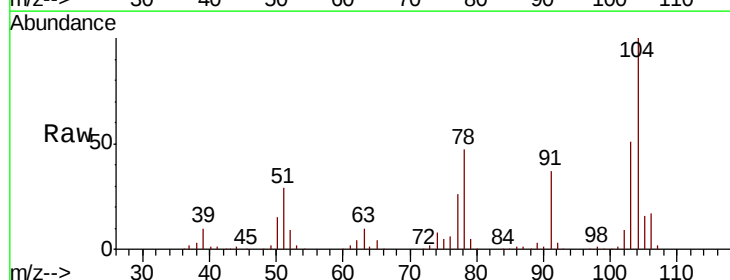
Acq: 04 Nov 2020 20:23

Tgt Ion:104 Resp: 253406

Ion Ratio Lower Upper

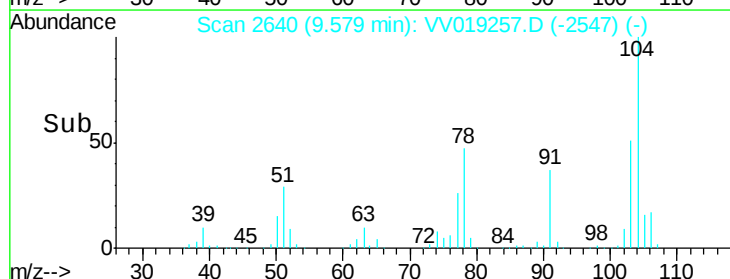
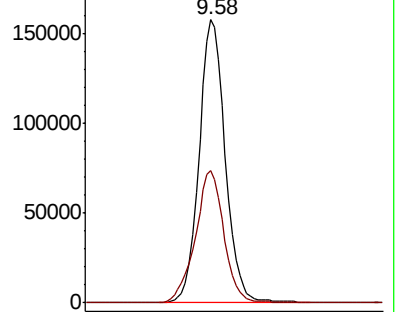
104 100

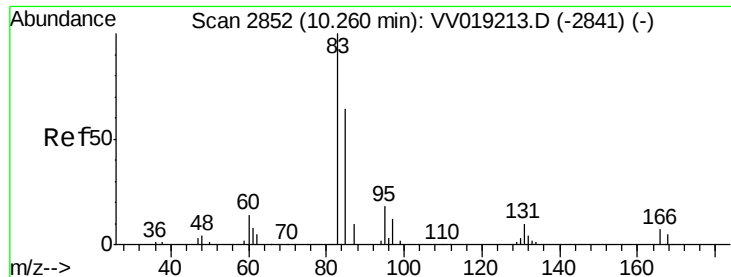
78 46.9 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 51.739 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

ClientSampled :

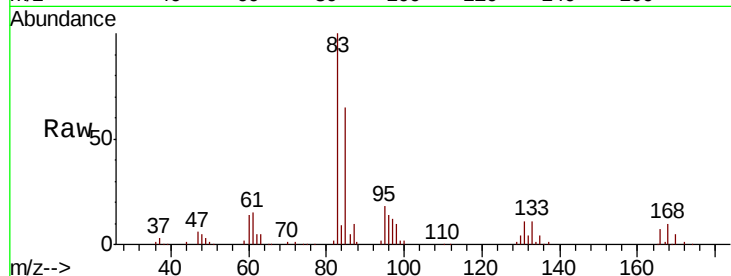
Tot Ion: 83 Resp: 122374

Ion Ratio Lower Upper

83 100

85 64.8 45.0 83.6

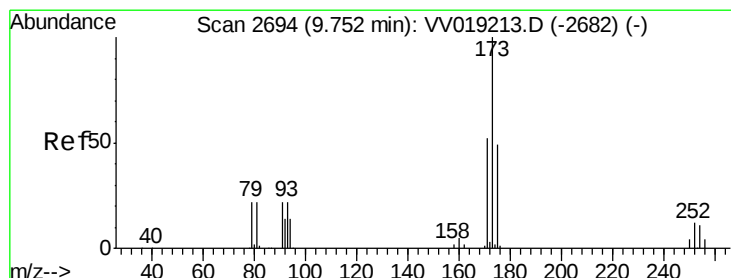
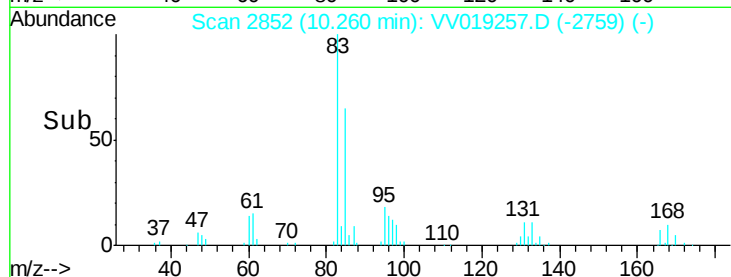
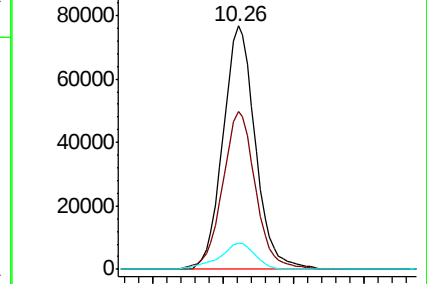
131 10.7 8.9 13.3



Abundance Ion 83.00 (82.70 to 83.70): VV019213.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV019213.D (-2841) (-)

Ion 131.00 (130.70 to 131.70): VV019213.D (-2841) (-)



#59

Bromoform

Concen: 52.361 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

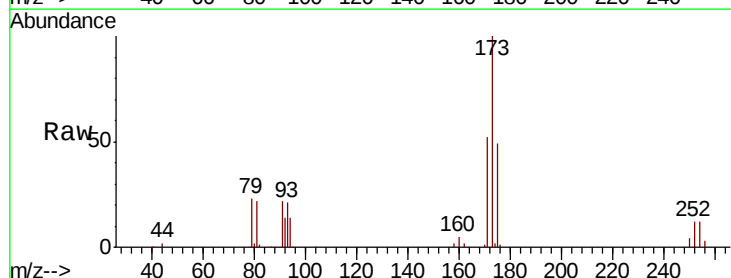
Tgt Ion: 173 Resp: 75007

Ion Ratio Lower Upper

173 100

175 48.7 38.4 57.6

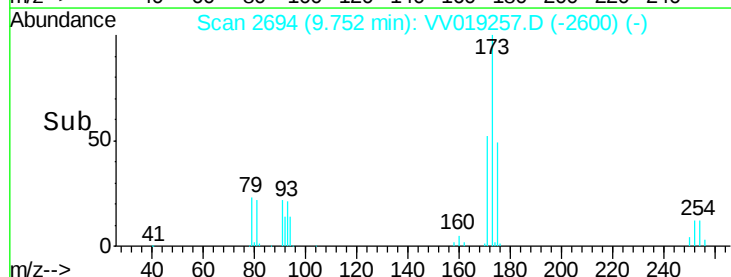
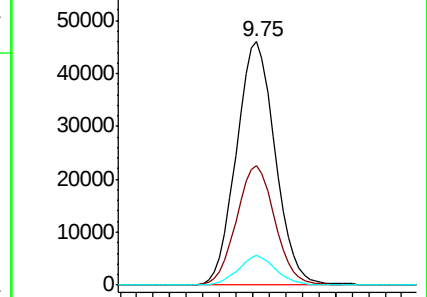
254 11.6 9.0 13.6

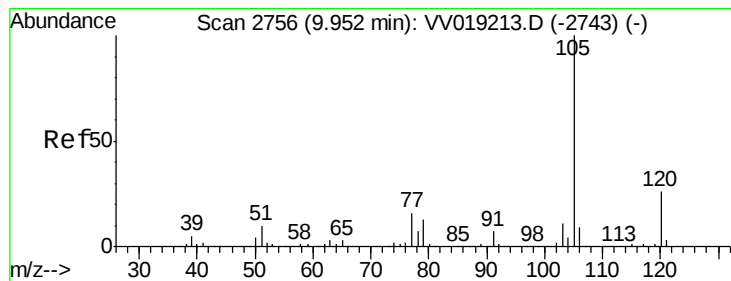


Abundance Ion 173.00 (172.70 to 173.70): VV019213.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019213.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019213.D (-2682) (-)





#60

Isopropylbenzene

Concen: 54.369 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :
MSVOA_V
ClientSampleId :

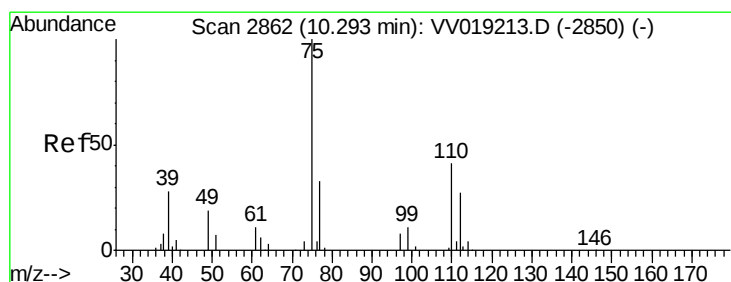
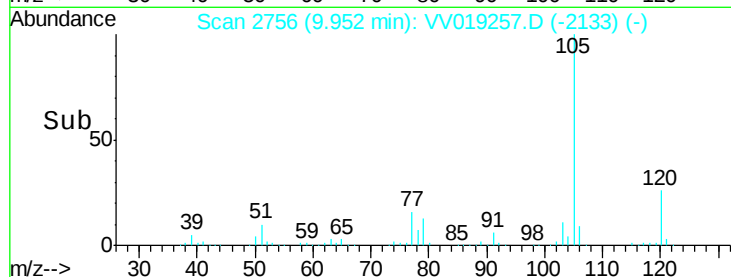
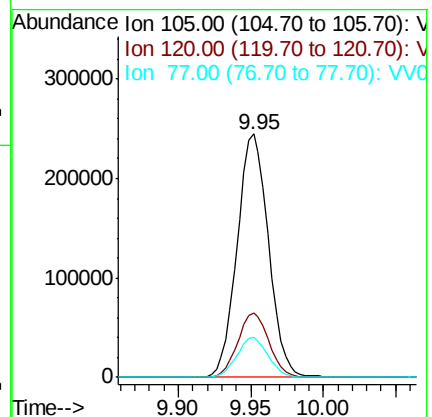
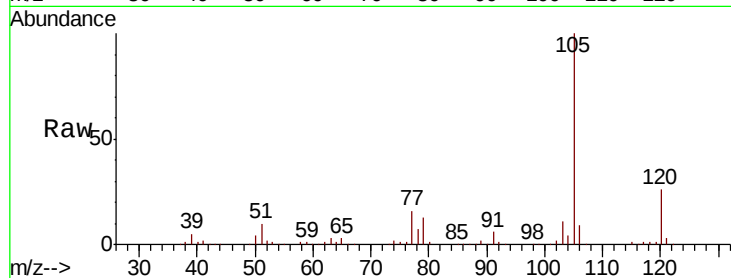
Tot Ion:105 Resp: 367791

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

77 16.4 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 52.986 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

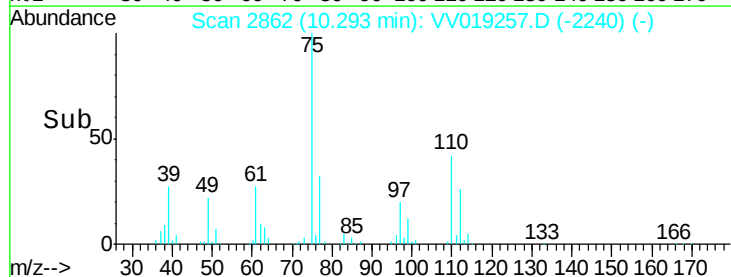
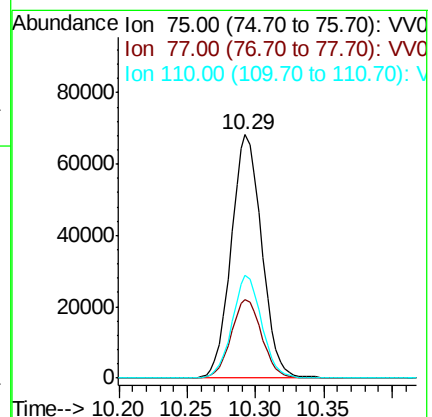
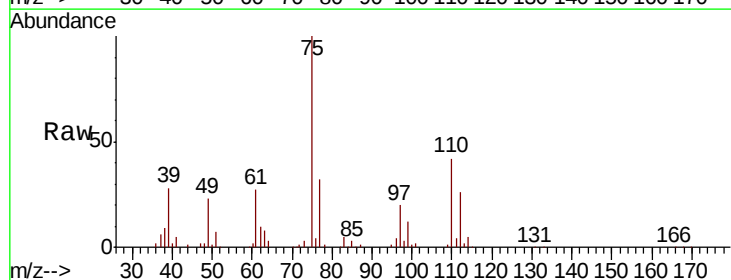
Tgt Ion: 75 Resp: 106249

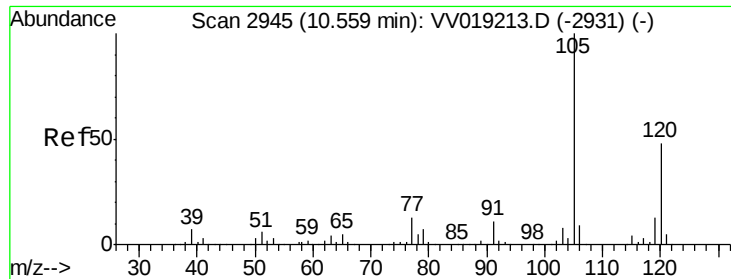
Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

110 40.6 33.4 50.2

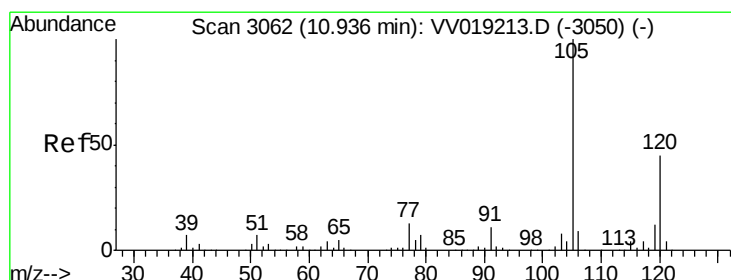
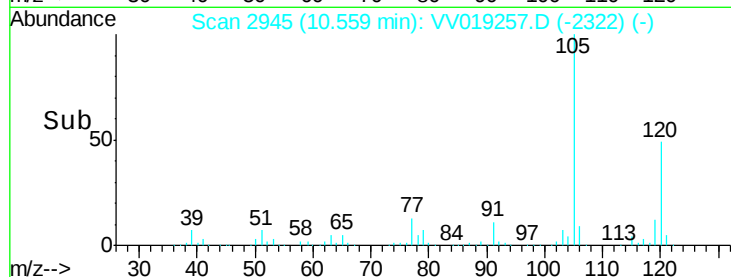
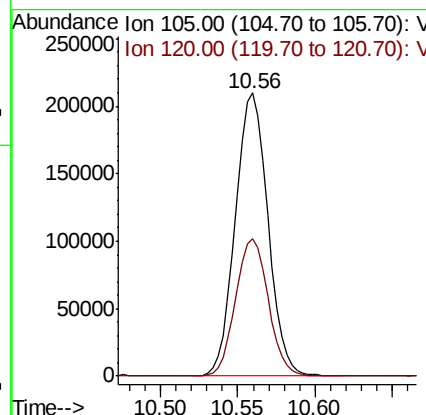
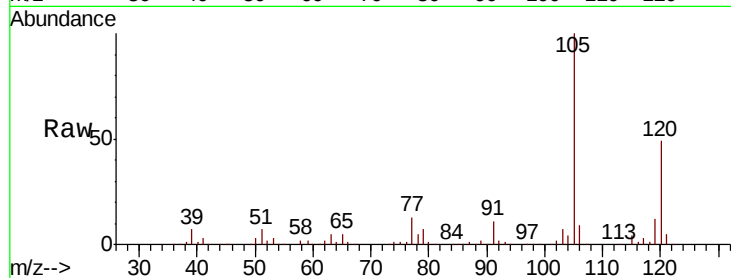




#62
 1,3,5-Trimethylbenzene
 Concen: 54.462 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

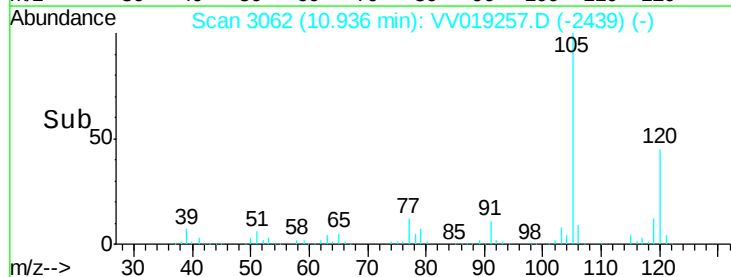
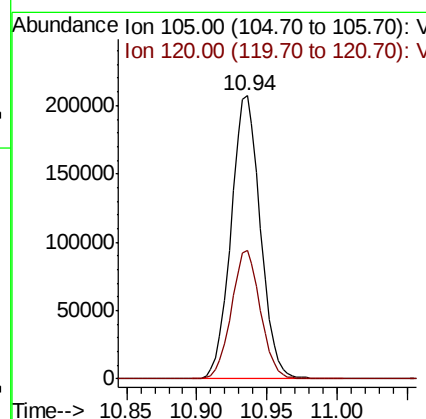
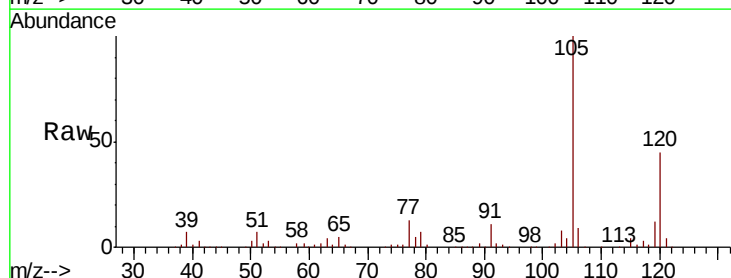
Instrument :
 MSVOA_V
 ClientSampled :

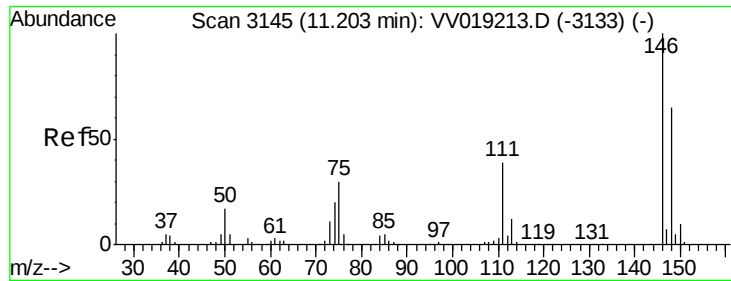
Tot Ion:105 Resp: 306852
 Ion Ratio Lower Upper
 105 100
 120 48.7 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 54.575 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

Tgt Ion:105 Resp: 300874
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.7 53.5

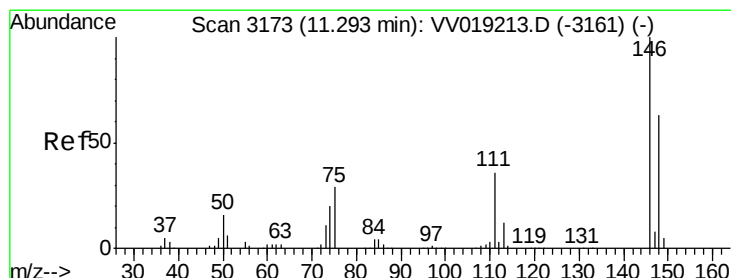
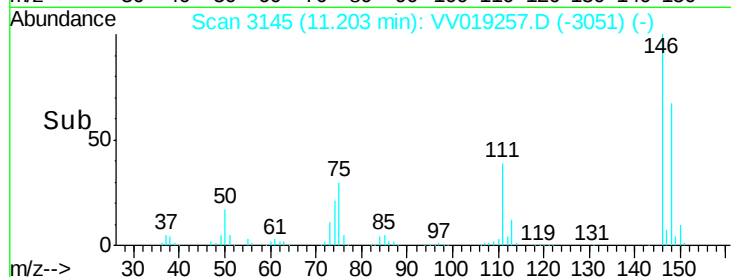
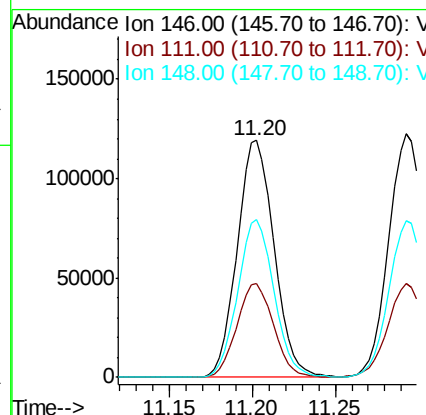
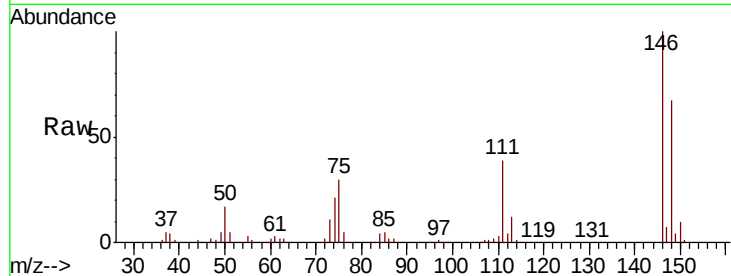




#64
 1,3-Dichlorobenzene
 Concen: 52.309 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

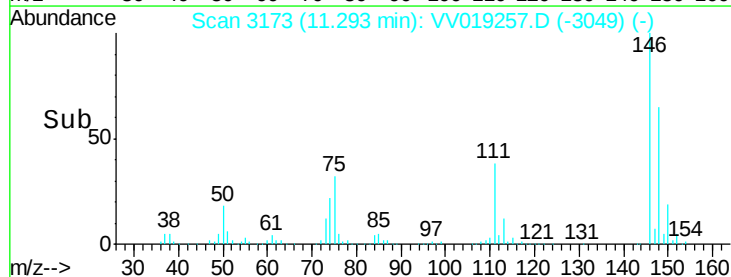
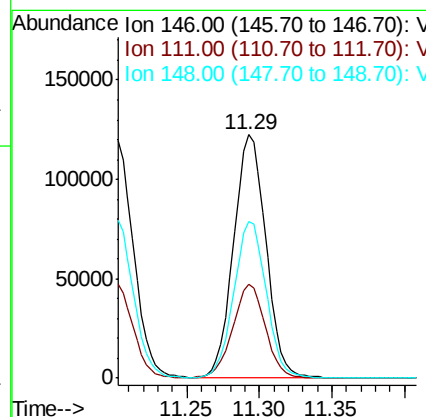
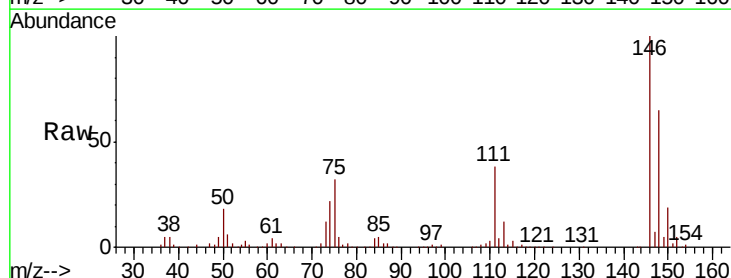
Instrument :
 MSVOA_V
 ClientSampleId :

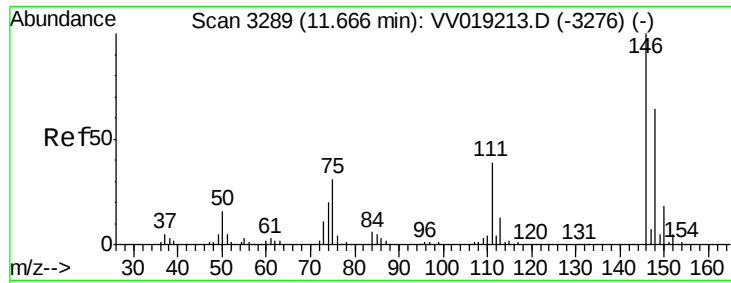
Tot Ion:146 Resp: 185091
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.3 50.7
 148 66.8 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 51.521 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

Tgt Ion:146 Resp: 188606
 Ion Ratio Lower Upper
 146 100
 111 38.3 25.9 48.1
 148 64.5 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 52.030 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

Instrument :

MSVOA_V

ClientSampleId :

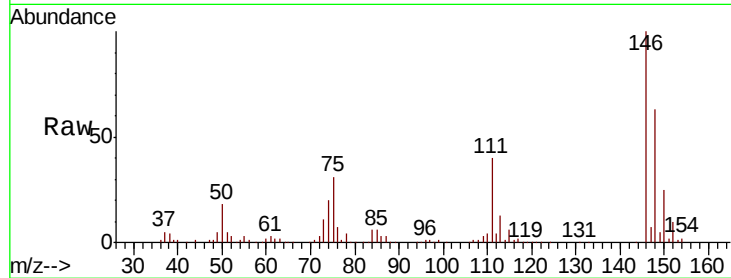
Tot Ion:146 Resp: 188349

Ion Ratio Lower Upper

146 100

111 40.3 32.6 48.8

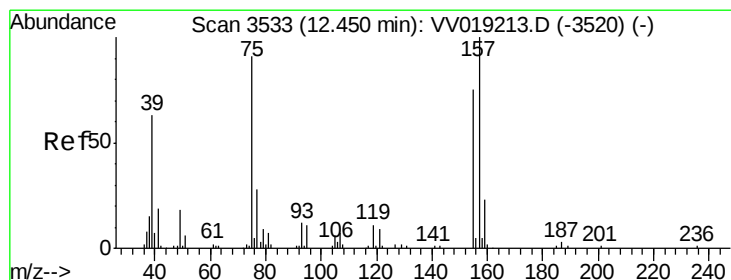
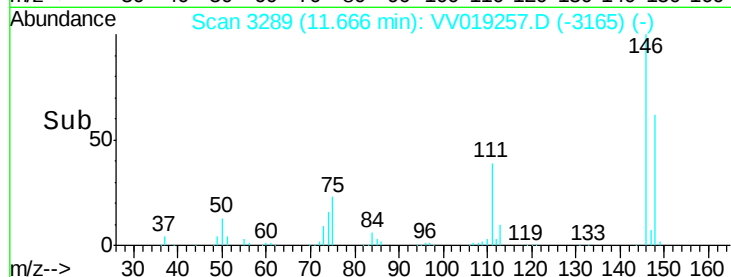
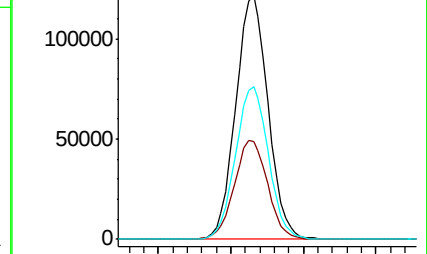
148 62.7 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 52.811 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019257.D

Acq: 04 Nov 2020 20:23

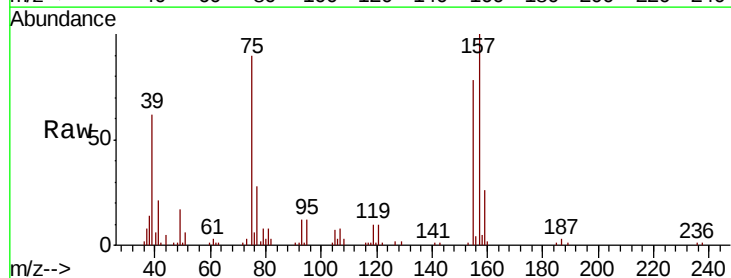
Tgt Ion: 75 Resp: 30894

Ion Ratio Lower Upper

75 100

155 86.7 65.8 98.6

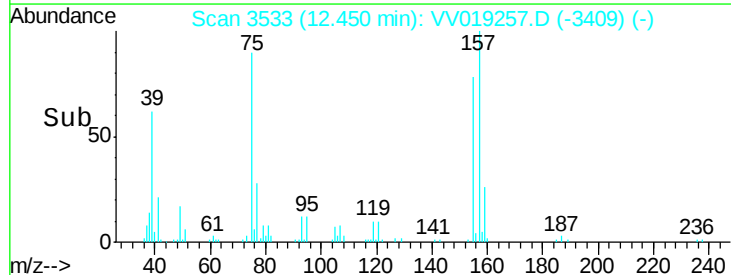
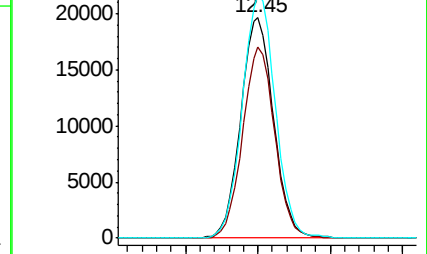
157 110.6 86.3 129.5

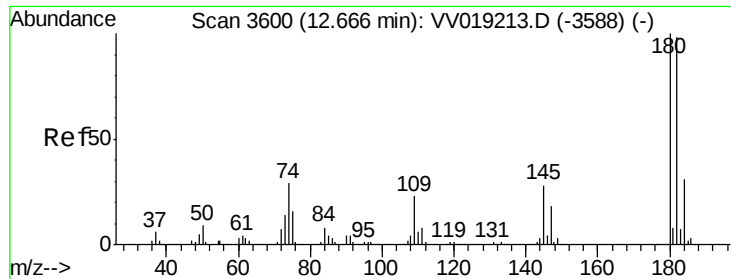


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

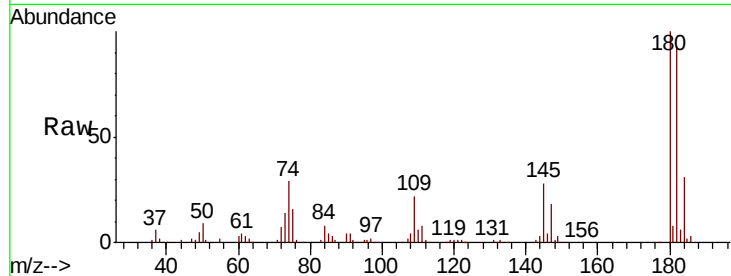




#69
 1,3,5-Trichlorobenzene
 Concen: 51.787 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.7	116.5
184	31.1	24.9	37.3
145	28.0	23.4	35.0

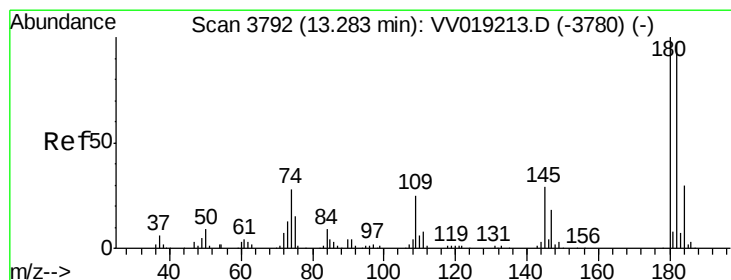
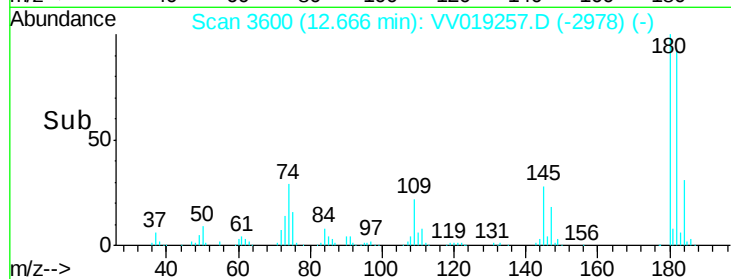
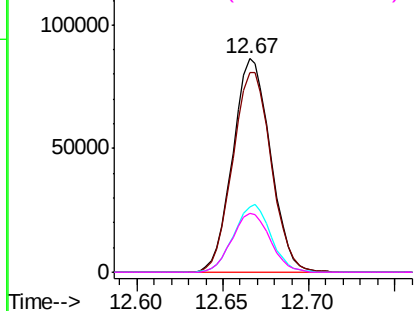


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

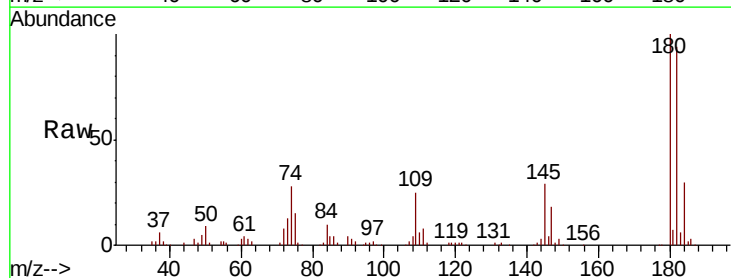
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 52.513 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019257.D
 Acq: 04 Nov 2020 20:23

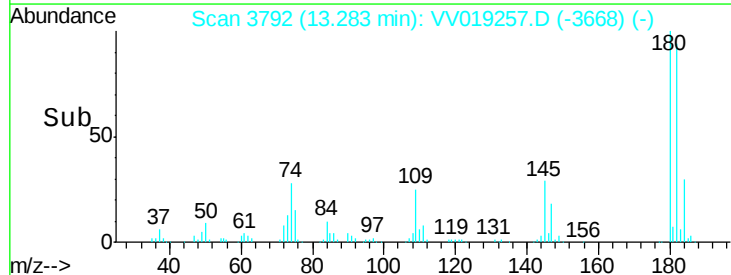
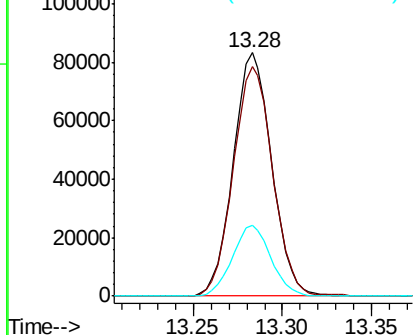
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
145	29.0	23.2	34.8

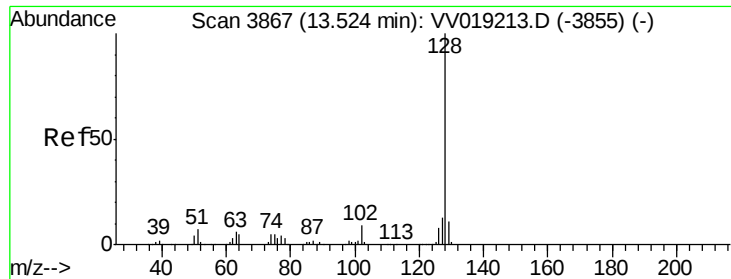


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

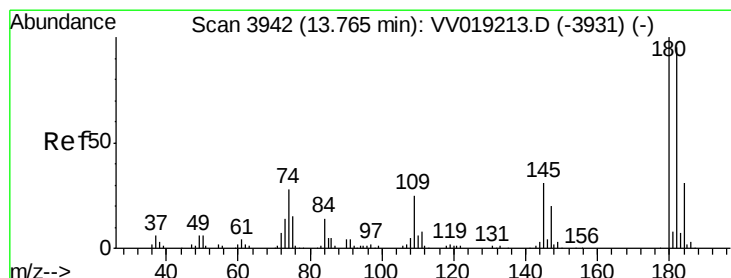
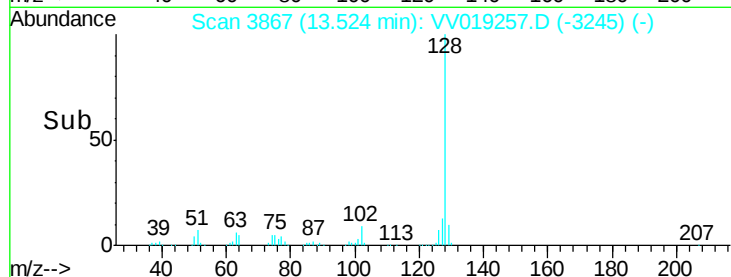
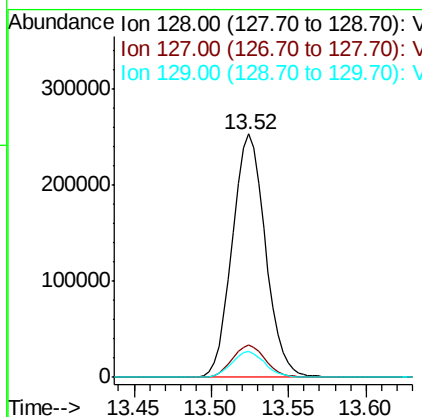
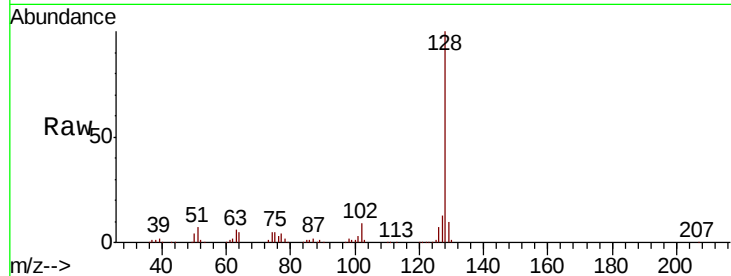




#71
Naphthalene
Concen: 55.827 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 376255
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 54.668 ug/L
RT: 13.77 min Scan# 3942
Delta R.T. 0.00 min
Lab File: VV019257.D
Acq: 04 Nov 2020 20:23

Tgt Ion:180 Resp: 129505
Ion Ratio Lower Upper
180 100
182 95.3 77.4 116.0
145 30.5 24.7 37.1

